SHARP SERVICE MANUAL

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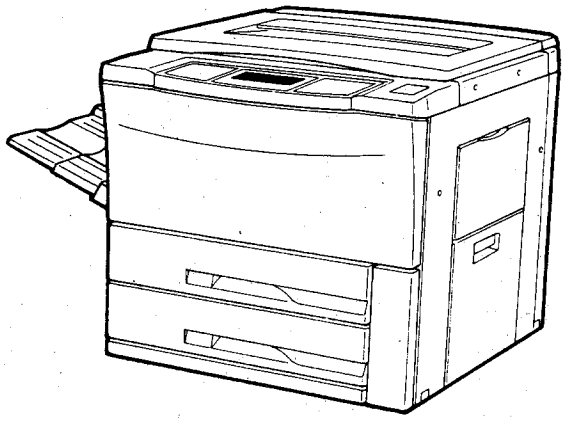

No.1

SF-2035
SF-D20
SF-D21
MODEL SF-DM11

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SHARP CORPORATION

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[1] PRODUCT OUTLINE

1. General description

The SF-2035 is medium class copier that produces 35 copies per minute. The SF-2035 has all the standard features of medium class copiers as well as having system expansion capability similar to high end copiers.

2. Target users

Average copy volume: 12,000 ~ 15,000 copies/month
Usage: 10,000 ~ 25,000 copies/month

3. Features

(1) Compact body

① Small body size
The width of the body is 633mm, the smallest in this class.

② Use of a front loading paper cassette and the folding multiple manual paper feed table eliminates the protrusion on the right side of the machine.

③ Use of a space reduced RADF and the front loading drawers save space even after upgrades.

(2) Clean copy production without contaminating environments

① Consideration was given during design in order to avoid contamination against ozone and dust. Considerations were also made for recycle paper, packaging, and recycling of machine elements after the use.

② Low level of machine noise.

(3) High copy performance

① The fastest first copy time in this class.

② High job efficiency.

(4) Adoption of modular structure

① Offers a variety of paper feed systems by the use of a modular desk

2 module slots
Up to two units of 500-sheet cassette modules can be installed at the same time.

LCC desk unit
Besides, a 1000-sheet LCC, a 500-sheet cassette module can be added in the LCC desk.

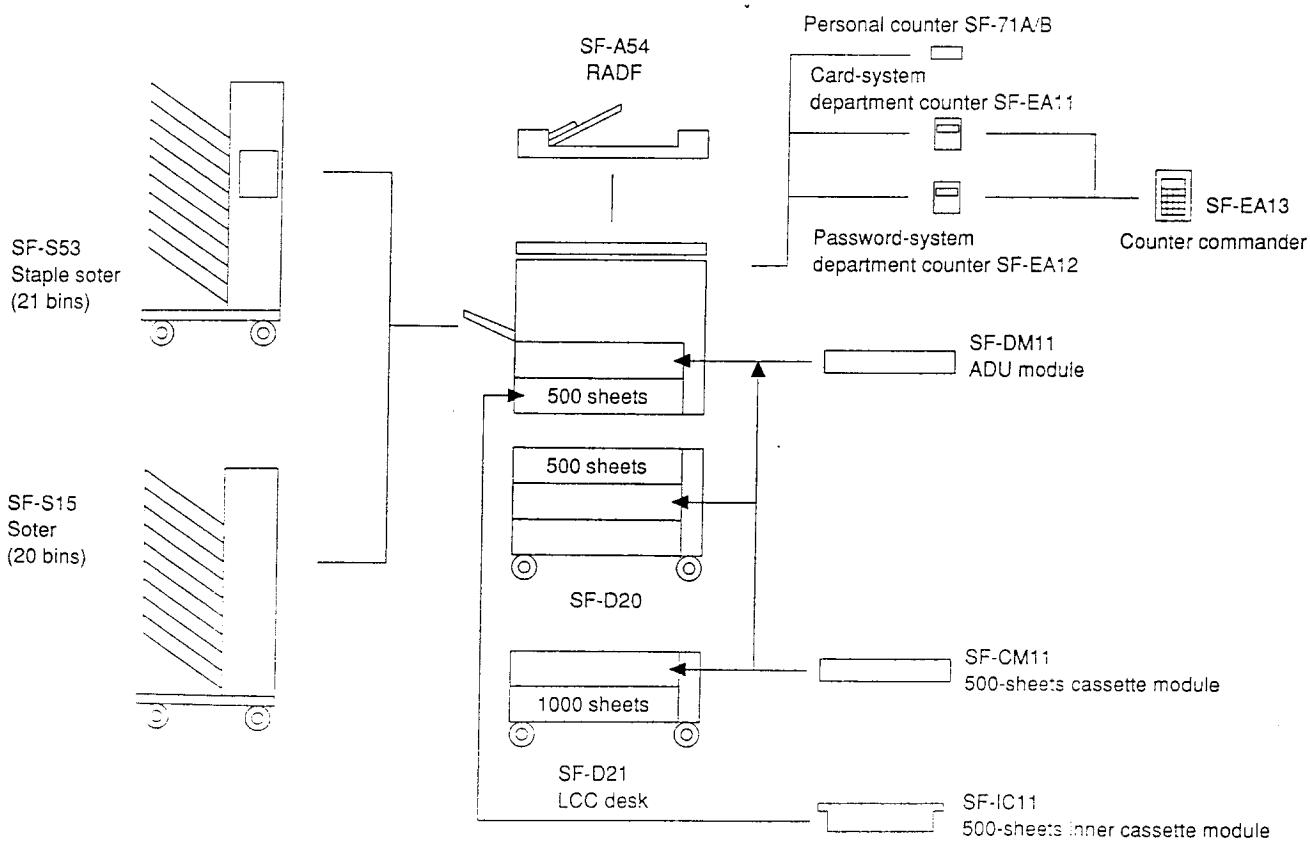
② Upper cassette module that allows the machine specification to be chosen according to the usage.

Cassette modules.
500-sheet cassette module.
Automatic Duplex Unit (ADU) in the modular design.

(5) Service, maintenance, and installation enhancement

① Upgraded paper feed performance
② Adoption of the paper feed roller
③ Easy installation and reduced maintenance time
④ Internal power supply for option units
⑤ Easier replacement of consumables
⑥ Adoption of the paper feed drawer system
⑦ Provision of the communication feature
⑧ Universal power supply for 50/60Hz source frequency
⑨ Adoption of process control

4. System outline (options)



[2] PRODUCT SPECIFICATIONS

1. Basic specification

(1) Type

Desktop

(2) Copy method

Dry static copier

(3) Kinds of originals

Sheet, book, three dimensional object		
Thickness of original:		Maximum 30mm in level with the original cover in use.
Weight of original:		Maximum 1.8 kg (4 pounds)
Maximum original size:		A3, 11" x 17"
Original alignment:		Center and left
Use of an original sensor:		
SF-2035	AB series:	A3, B4, A4, A4R, A5
	Inch series:	11" x 17", 8½" x 14", 8½" x 11", 8½" x 11" (R), 8½" x 5½"

Option:	RADF
Original loading capacity:	50 sheets
Original size:	A3 to A5, 11" x 17" to 8½" x 5½"
Original replace speed:	35 sheets per minute
Weight of original:	50 to 128 g/m² (14 to 34 lbs)
Mixed paper feed mode:	Possible

(4) Copy speed

	Actual (1:1)	Enlarge (ratio)	Reduce (ratio)
A3	20 sheets per minute	13 sheets per minute (200%)	16 sheets per minute (50%)
B4	23 sheets per minute	13 sheets per minute (200%)	19 sheets per minute (50%)
A4 (portrait)	35 sheets per minute	17 sheets per minute (200%)	27 sheets per minute (50%)
A4 (landscape)	28 sheets per minute	15 sheets per minute (200%)	23 sheets per minute (50%)
B5 (portrait)	35 sheets per minute	17 sheets per minute (200%)	27 sheets per minute (50%)
B5 (landscape)	28 sheets per minute	15 sheets per minute (200%)	23 sheets per minute (50%)
Double letter	20 sheets per minute	13 sheets per minute (200%)	16 sheets per minute (50%)
Legal	23 sheets per minute	13 sheets per minute (200%)	19 sheets per minute (50%)
Letter (portrait)	35 sheets per minute	17 sheets per minute (200%)	27 sheets per minute (50%)
Letter (landscape)	28 sheets per minute	15 sheets per minute (200%)	23 sheets per minute (50%)

NOTE: Copy speeds indicated in Enlargement and Reduction modes are the slowest speeds in the respective mode.

(5) First copy time

About 3.1 seconds from upper cassette

(6) Warmup time

About 120 seconds
(Without pre-heat feature)
Misfeed recovery time: 8 seconds, provided the machine is in the standard condition in 60 seconds after opening the door.

(7) Multicopy

Maximum multicopy number: 999 sheets

(8) Magnification ratio

Fixed ratio	AB series: 4R+4E: 200, 141, 122, 115, 100, 86, 81, 70, 50%
	Inch series: 4R+4E: 200, 141, 129, 121, 100, 95, 77, 64, 50%
Zooming range:	50 to 200% (1% increments)

(9) Exposure

Exposure mode: Auto, manual, photo
Exposure system: Slit exposure and moving optical system (fixed original table)

(10) Paper feed

Copy size (maximum ~ minimum)	AB series:	A3 to A6R
	Inch series:	11" x 17" to 8½" x 5½"
Method	One cassette + multi-manual feed	
Capacity	500 + 50 sheets	

AB series

Paper entry	Paper size	Paper weight	Size selection	Side, front
Upper cassette (Option)	B5/B5R A4/A4R/B4/A3	56 ~ 80g/m² 15 ~ 21 lbs.	Selection by way of guide replacement by the service engineer	Front, drawer in the same body (ADU compatibility available)
Lower cassette	A5/B5/B5R A4/A4R/B4/A3 A5: * With the option inner cassette used	56 ~ 80g/m² 15 ~ 21 lbs.	Selection by way of guide replacement by the service engineer	By way of front, inner cassette

Inch series

Paper entry	Paper feed size	Paper weight	Size selection	Side, front
Upper cassette (Option)	8½ x 11", 8½" x 11" (R), 8½" x 14", 11" x 17"	56 ~ 80g/m² 15 ~ 21 lbs.	Selection by way of guide replacement by the service engineer	Front, drawer in the same body (ADU compatibility available)
Lower cassette	8½ x 11", 8½" x 11" (R), 8½" x 14", 11" x 17", 8½" x 5½" 8½" x 5½": * With the option inner cassette used	56 ~ 80g/m² 15 ~ 21 lbs.	Selection by way of guide replacement by the service engineer	By way of front, inner cassette

Initial setting

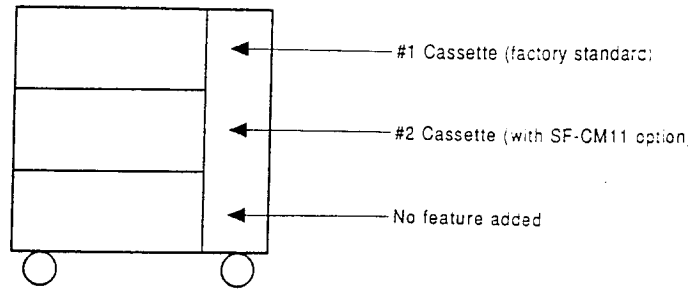
	Japan	Outside Japan (Inch)	Outside Japan (AB)	Remark
Copier upper stage	* B5R	—	—	* When shipping, the domestic (Japan/Taiwan) paper feed module is attached.
Copier lower stage	A3	11" x 17"	A3	
Option cassette module	A4	11" x 14"	A4	SF-CM11
Multi-stage desk (1st stage)	B4	8½(R) x 11"	A4R	Japan: SF-D19/D20
Multi-stage desk (2nd stage)	A3	—	—	Outside Japan: SF-D20
Multi-stage desk (3rd stage)		—	—	
LCD desk (1st stage)	—	—	—	
LCD desk (2nd stage)	—	8½" x 11"	A4	SF-D21
Inner cassette	A3	11" x 17"	A3	SF-IC11

Manual feed

Paper size:	AB series: Inch series:	A3 to A6R 11" x 17" to 8½" x 5½" (Min. width: 100mm, Min. length: 139.7mm)
Paper weight:	Multifeed mode: Single feed mode:	56 to 80 g/m² (15 to 21 lbs) 52 to 128 g/m² (14 to 34 lbs) (A4 size or under, if above 105 g/m² or 28 lbs)
Kind of paper:		Standard, Sharp designated paper, OHP
Detection size	Inch series: AB series:	Available: 11" x 17", 11" x 14", 8½" x 11", 8½" x 11"(R), invoice Available: A3, B4, A4, A4R, A5

Single paper feed desk

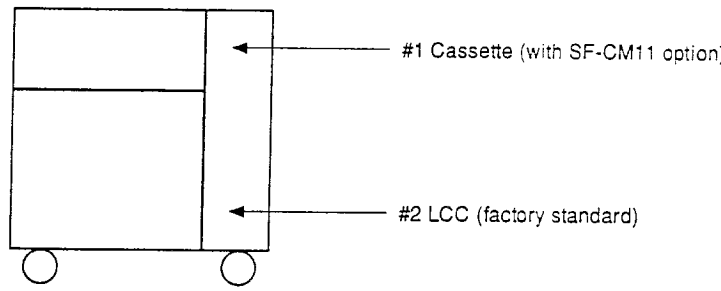
<<Model name: SF-D20>>



Number of paper feed sources:	Single (two sources if expanded)
Paper feed capacity:	500 sheets
Expanded:	1000 sheets 500-sheet cassette x 2 sources (with SF-CM11 in use). * 500 sheets of 80 g/m² must be in each cassette.
Paper size:	AB series: A3, B4, A4, A4R, B5, B5R Inch series: 11" x 17", 8½" x 14", 8½ x 11", 8½ x 11" (R)
Paper weight:	50 to 80 g/m² (15 to 21 lbs)
Size selection:	Selection by way of guide replacement or by the service engineer
Power supply:	From the copier
Physical dimentions (mm):	600(W) x 625(D) x 451(H)
Weight:	27.2Kg (59.8 lbs).

Large capacity paper feed desk

<<Model name: SF-D21>>



Number of paper feed sources:	Single (two sources if expanded)
Paper feed capacity:	1000 sheets
Expanded:	1500 sheets 1000-sheet cassette + 500-sheet cassette sources (with SF-CM11 in use). * Given number of sheets of 80 g/m² must be in each cassette.

<<1000-sheet drawer (#2 cassette)>>

Paper size:	AB series: B4, A4, A4R, B5, B5R Inch series: 8½" x 14", 8½ x 11", 8½ x 11" (R)

<<#1 cassette option>>

Paper size:	AB series: A3, B4, A4, A4R, B5, B5R Inch series: 11" x 17", 8½" x 14", 8½ x 11", 8½ x 11" (R)
Paper weight:	50 to 80 g/m² (15 to 21 lbs)
Size selection:	Selection by the service engineer
Power supply:	From the copier

Physical dimentions (mm):	600(W) x 625(D) x 451(H)
Weight:	33.2Kg. (73.0 lbs)

(11) Developing method

Dry, two components magnetic brush method

(12) Charge method

(–) DC saw-teeth electrode method

(13) Transfer method

(–) DC Corotron method

(14) Separation method

AC Corotron method

(15) Fusing method

Heat roller method

(16) Cleaning method

Blade method

(17) Light source

Halogen lamp

(18) Blanking areas

Void area:	3mm from the lead edge
Image loss:	3mm at maximum during the actual (1:1) copy mode

(19) Automatic duplex

Option (SF-DM11)		
Location	Copier upper module slot	
Size	AB series:	A3, B4, A4, A4R, A5 (B5 and B5R only JAPAN)
	Inch series:	11" X 17", 8½" x 14", 8½ x 11", 8½ x 11" (R)
Capacity	50 sheets (below A4 or letter sizes) or 30 sheets (above B4 or 8½" x 14" size)	
Paper weight	56 to 80 g/m² (15 to 21 lbs)	

(20) Paper receive tray and finishing

Capacity of paper receive tray	250 sheets		
Finishing	With option in use		
Finisher function	Sorted bin capacity	Non-sorted bin capacity	
20-bin sorter (SF-S15)	50 sheets	100 sheets	Fixed bins
21-bin stapler sorter (SF-S53)	50 sheets (50 sheets, if stapler used) (A4 or Less)	250 sheets	Fixed bins

(21) Additional features

	Availability of feature	
APS	○	
AMS	○	Inhibited when mixed paper feed
Margin shift	○	9mm shift (S → S), with adjustment function
DPCM	○	Enlarge not permitted.
Edge erase	○	7 to 12mm wide depending on the size.
Trimming	○	Area input is allowed up to 2 areas.
Masking	○	Area input is allowed up to 2 areas.
Cover insertion	○	Selection of cover/rear or cover/both
Job memory	○	Recordable up to 9 jobs
Auditor	○	Allowes up to 50 departments.
Message display	○	
Key operator program	○	
Communication	○	Option I/F PWB (available from service parts.)
Process control	○	

APS: Auto paper selection
AMS: Auto magnification ratio selection
DPCM: Dual page copy mode

Binding margin shift

Width	AB series	Inch series
Single sides to single sided	9mm	1/4"
Double sided to single sided	9mm	1/4"
Single sided to double sided (front)	9mm	1/4"
(reverse)	9mm	1/4"
Double sided to double sided (front)	9mm	1/4"
(reverse)	9mm	1/4"

Frame edge erase

AB series		Inch series	
Size	Deleted width (mm)	Size	Deleted width (mm)
A3	11.5±3	11" x 17"	11.5±3
B4	9.5±3	11" x 14"	7 ±3
A4	11.5±3	8½" x 11"	11.5±3
A4R	10 ±3	8½" x 11" (R)	7 ±3
B5	9.5±3	8½" x 5½"	7 ±3
B5R	8 ±3		

(22) Power supply

Voltage: 100V, 50/60Hz; 110V, 50/60Hz; 120V, 60Hz; 127V, 60Hz; 220V, 50/60Hz; 240V, 50Hz
Frequency: 50/60Hz, universal

(23) Power consumption

Maximum power consumption: 1.5KW, maximum, with options used
Standby power consumption: 0.05KW with the heater lamp inactive; 0.95KW with the heater lamp active.

(24) Appearance

WxDxH (mm) 633 x 650 x 567 (at the top of the table glass)
633x 650 x 607 (at the top of the original cover)
Occupied area (W x D in mm) 1170 x 650 (with the paper receive tray and manual feed bypass open
Weight: Main body About 70.3Kg (155 pounds)
Paper feed module: 4.7Kg (10.3 pounds)
Original cover: 1.5Kg (3.3 pounds)

(25) Accessories

Original cover, paper receive tray, toner disposal box (x 4) with one box installed at the factory, instruction manual, dust cover, quick magnification ratio reference chart, key sheet

Other printed material
Installation report (SEEG), SCA warranty card, warranty registration card (SUK)

Different accessories and standard equipment may vary depending on the product destination.

2. Consumables

SF-2035 consumable list (SECL)

No.	Name	Content		Life	Model name	Packing	Remark
1	Drum	OPC drum	×1	120K	SF-235DM	10	
2	Developer (Black)	Developer	(850g) ×10	80K (×10)	SF-235LD1	1	(SF-235DV1) × 10 = SF-235LD1
3	Toner (Black)	Toner cartridge	(320g) ×10	8K (×10)	SF-235LT1	1	(SF-235T1) × 10 = SF-235LT1
4	80K maintenance kit	Upper cleaning roller	×1	80K	SF-235KA	1	
		Lower cleaning roller	×1				
		Cleaner blade	×1				
		Toner disposal box	×4				
		Separation pawl (Upper)	×4				
		Separation pawl (Lower)	×2				
		Screen grid	×1				
		Charging plate unit	×1				
		Drum separation pawl unit	×1				
5	160K maintenance kit	Heat roller (Upper)	×1	160K	SF-235KB	1	
		Heat roller (Lower)	×1				
		Toner receiving seal	×1				
		Developer seal	×1				
		Heat roller gear	×1				
6	Staple cartridge	Staple cartridge	×5	5000 × 5	SD-LS20	10	Use of the stapler shared with the SF-2075/3075 (SD-SC20) × 5 = SD-LS20

SF-2035 consumables list (SEEG, SUK)

No.	Name	Content		Life	Model name	Packing	Remark
1	Drum	OPC drum	×1	120K	SF-235DM	10	
2	Developer (Black)	Developer	(850g) ×10	80K (×10)	SF-235LD1	1	(SF-235DV1) × 10 = SF-235LD1
3	Toner (Black)	Toner cartridge	(320g) ×10	8K (×10)	SF-235LT1	1	(SF-235T1) × 10 = SF-235LT1
4	80K maintenance kit	Upper cleaning roller	×1	80K	SF-235KA	1	
		Lower cleaning roller	×1				
		Cleaner blade	×1				
		Toner disposal box	×4				
		Separation pawl (Upper)	×4				
		Separation pawl (Lower)	×2				
		Screen grid	×1				
		Charging plate unit	×1				
		Drum separation pawl unit	×1				
5	160K maintenance kit	Heat roller (Upper)	×1	160K	SF-235KB	1	
		Heat roller (Lower)	×1				
		Toner receiving seal	×1				
		Developer seal	×1				
		Heat roller gear	×1				
6	Staple cartridge	Staple cartridge	×5	5000 × 5	SD-LS20	10	Use of the stapler shared with the SF-2075/3075 (SD-SC20) × 5 = SD-LS20

SF-2035 consumables list (SCA, SCNZ, Middle East, Africa)

No.	Name	Content		Life	Model name	Packing	Remark
1	Drum	OPC drum	×1	120K	SF-235DR	10	
2	Developer (Black)	Developer	(850g) ×10	80K (×10)	SF-235CD1	1	(SF-235SD1) × 10 = SF-235CD1
3	Toner (Black)	Toner cartridge	(320g) ×10	8K (×10)	SF-235CT1	1	(SF-235ST1) × 10 = SF-235CT1
4	80K maintenance kit	Upper cleaning roller	×1	80K	SF-235KA	1	
		Lower cleaning roller	×1				
		Cleaner blade	×1				
		Toner disposal box	×4				
		Separation pawl (Upper)	×4				
		Separation pawl (Lower)	×2				
		Screen grid	×1				
		Charging plate unit	×1				
		Drum separation pawl unit	×1				
5	160K maintenance kit	Heat roller (Upper)	×1	160K	SF-235KB	1	
		Heat roller (Lower)	×1				
		Toner receiving seal	×1				
		Developer seal	×1				
		Heat roller gear	×1				
6	Staple cartridge	Staple cartridge	×5	5000 × 5	SD-LS20	10	Use of the stapler shared with the SF-2075/3075 (SD-SC20) × 5 = SD-LS20

SF-2035 consumables list (Asia, Middle/South America)

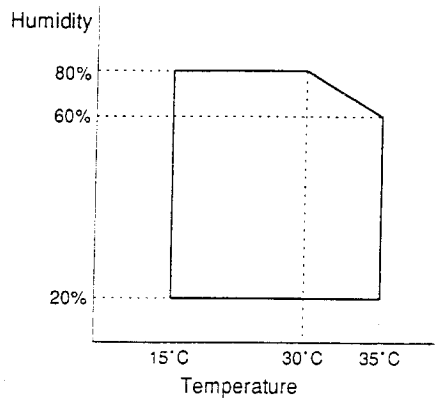
No.	Name	Content		Life	Model name	Packing	Remark
1	Drum	OPC drum	×1	120K	SF-235DR	10	
2	Developer (Black)	Developer	(850g) ×10	80K (×10)	SF-235CD1	1	(SF-235SD1) × 10 = SF-235CD1
3	Toner (Black)	Toner cartridge	(320g) ×10	8K (×10)	SF-235CT1	1	(SF-235ST1) × 10 = SF-235CT1
4	80K maintenance kit	Upper cleaning roller	×1	80K	SF-235KA	1	
		Lower cleaning roller	×1				
		Cleaner blade	×1				
		Toner disposal box	×4				
		Separation pawl (Upper)	×4				
		Separation pawl (Lower)	×2				
		Screen grid	×1				
		Charging plate unit	×1				
		Drum separation pawl unit	×1				
5	160K maintenance kit	Heat roller (Upper)	×1	160K	SF-235KB	1	
		Heat roller (Lower)	×1				
		Toner receiving seal	×1				
		Developer seal	×1				
		Heat roller gear	×1				
6	Staple cartridge	Staple cartridge	×5	5000 × 5	SD-LS20	10	Use of the stapler shared with the SF-2075/3075 (SD-SC20) × 5 = SD-LS20

3. Environmental requirements

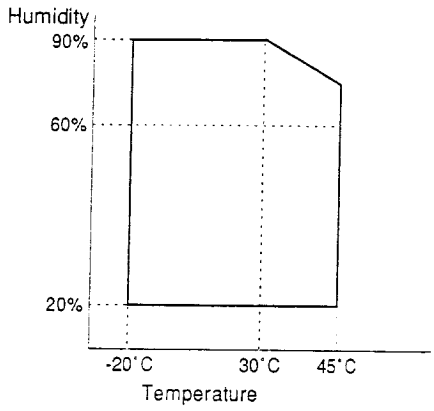
Conditions required for proper operation of the machine, as well as assurance of copy quality, the following are requested.

① Standard conditions
Recommended temperature range at 20 to 25 Centigrade (68 to 77 degrees F) and humidity range at 65 ± 5%RH.

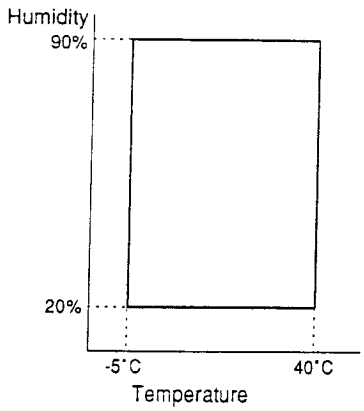
② Operating conditions



③ Shipping conditions

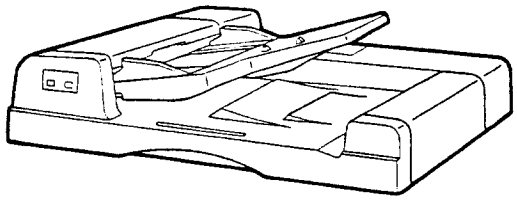


④ Consumables storage conditions



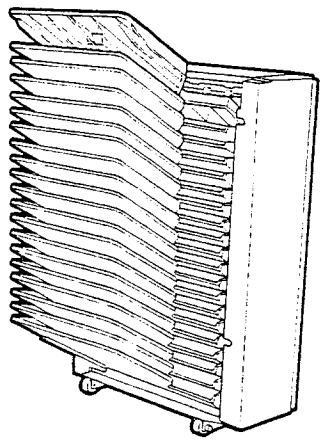
[3] OPTIONS SPECIFICATIONS

1. SF-A54



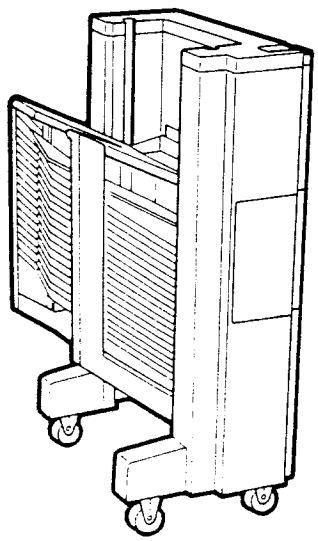
Acceptable originals	Weight:	(Single-sided original) 14 to 34 lbs. (35 to 128 g/m^2.) (Two-sided original) 14 to 34 lbs. for 8½″ × 5½″ and 8½″ × 11″ 14 to 29 lbs. for 8½″ × 14″ and 11″ × 17″ 55 to 128 g/m^2.
	Size:	8½″ × 5½″ to 11″ × 17″. A5 to A3.
	Number of sheets:	Up to 50 sheets 8½″ × 5½″, 8½″ × 11″, 8½″ × 14″ A5, A4, B4 Provided the total thickness does not exceed ¼″ (14 to 20 lbs.) or 3/16″ (21 to 34 lbs.) 6.5 mm (35 to 80 g/m^2) or 5 mm (81 to 128 g/m^2) Up to 30 sheets 11″ × 17″, A3
Power supply:	Drawn from the copier	

2. SF-S15



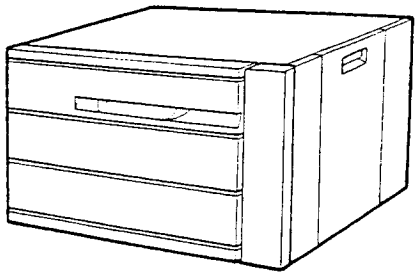
No. of bins	20	
Bin capacity	NON-SORT:	100 sheets (top bin)
	SORT:	50 sheets
	GROUP:	30 sheets
Paper size:	Top bin:	Max. 11″ × 17″, A3 Min. 8½″ × 5½″
	Sort bin:	Max. 11″ × 17″, A3 Min. 8½″ × 5½″
Power supply	Drawn from the copier.	

3. SF-S53



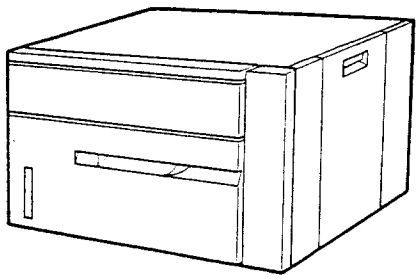
No. of bins	21	
Bin capacity	NON-SORT:	250 sheets (top bin)
	SORT:	50 sheets (8½-″ × 11″) (A4) 25 sheets (8½″ × 14″) (B4) 25 sheets (11″ × 17″) (A3)
	GROUP:	30 sheets (8½″ × 11″) (A4) 25 sheets (8½″ × 14″) (B4) 25 sheets (11″ × 17″) (A3)
	STAPLE SORT:	50 sheets (8½″ × 11″) (A4) 25 sheets (8½″ × 14″, 11″ × 17″) (B4, A3)
Paper size	Top bin:	Max. 11″ × 17″, A3 Min. 8½″ × 5½″, A5
	Sort bins:	Max. 11″ × 17″, A3 Min. 8½″ × 5½″, B5
Stapling capacity	50 sheets (20 lbs.) (80 g/m^2)	
Power supply	Drawn from the copier.	

4. SF-D20



Paper size	8½″ × 11″ to 11″ × 17″, B5 to A3
Paper capacity	500 sheets of 20 lb. bond paper, 50 to 80 g/m^2 Total of 1,000 sheets of 20 lb. bond paper with an optional 500-sheet paper drawer installed.

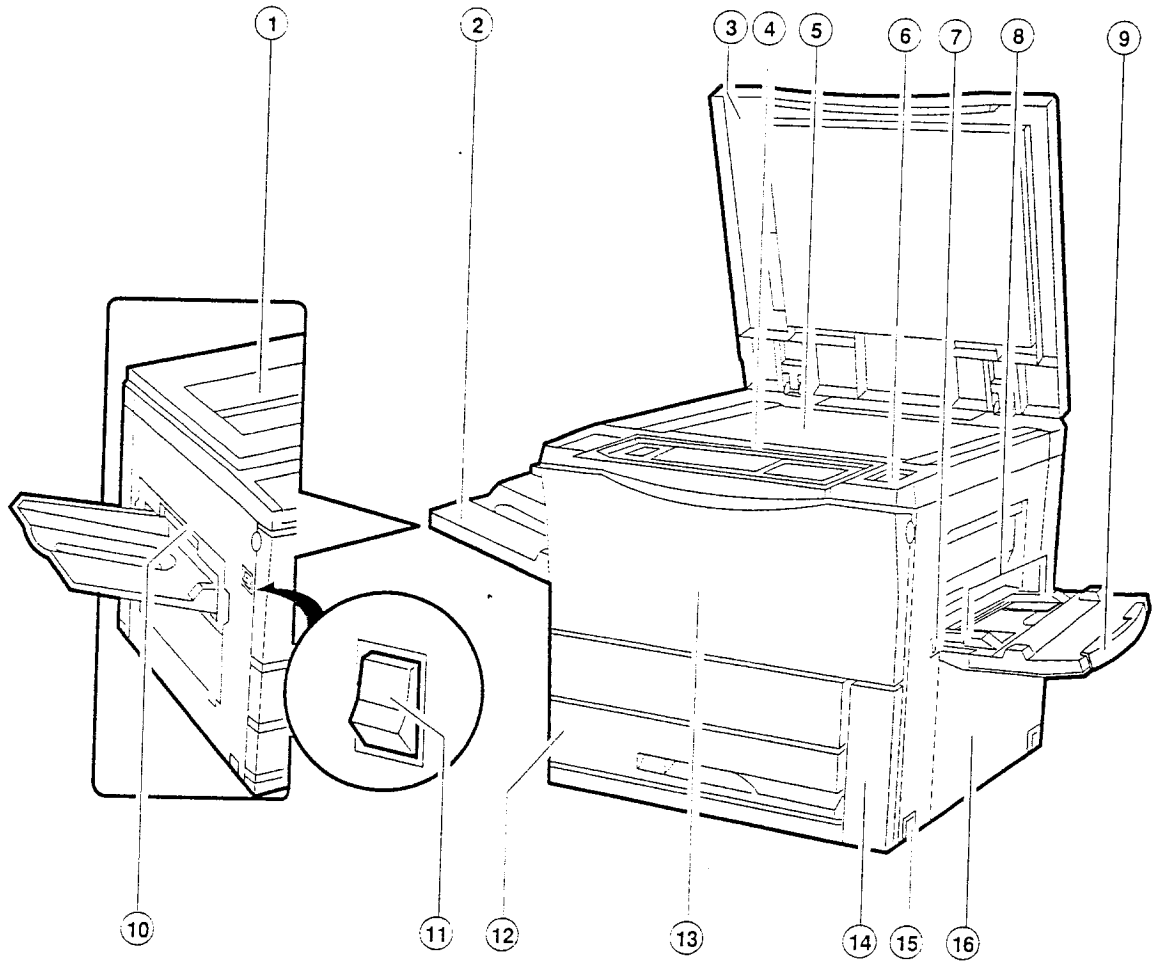
5. SF-D21



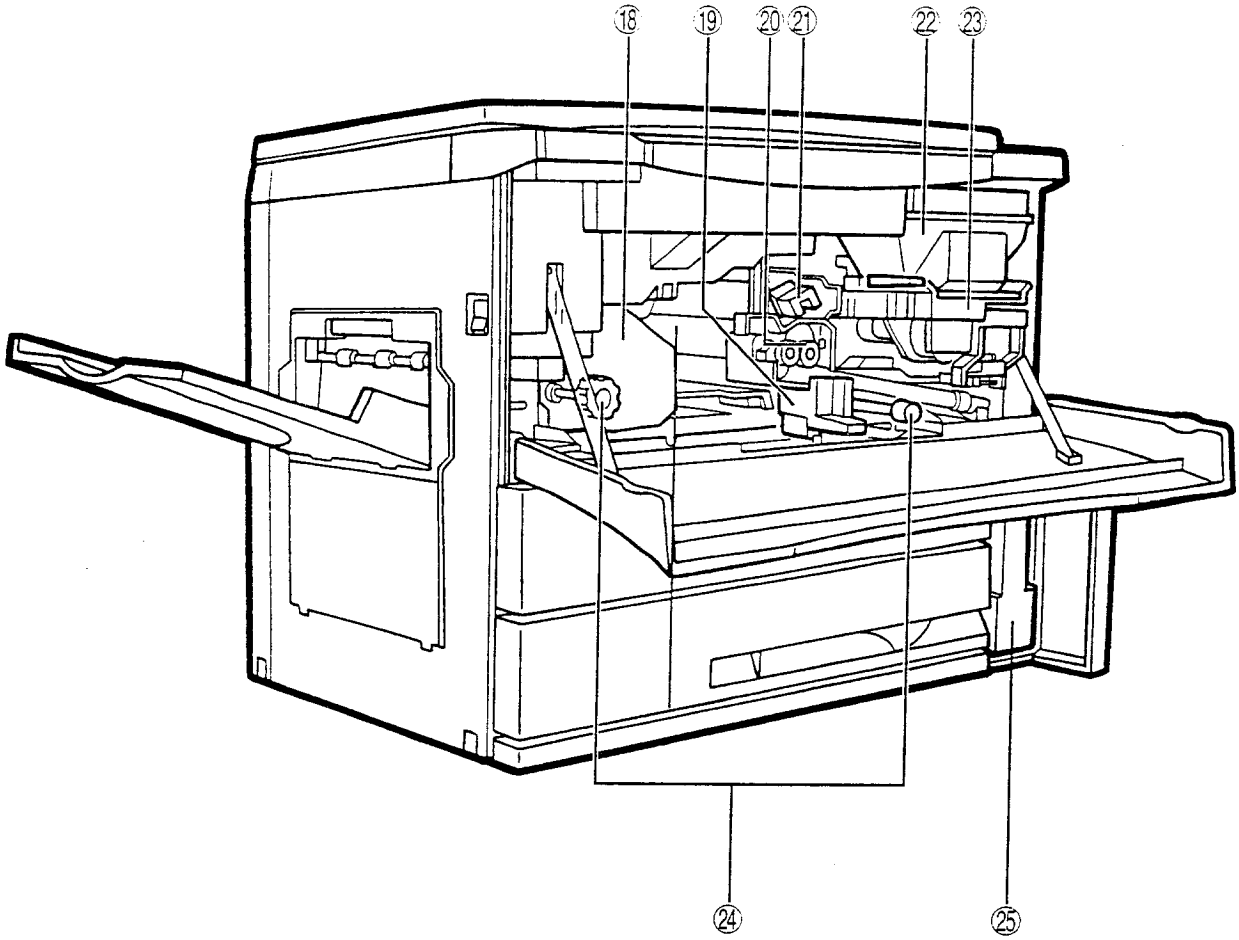
Paper size	8½″ × 11″ to 8½″ × 14″, B4 to B5
Paper capacity	1,000 sheets of 20 lb. bond paper, 50 to 80 g/m^2 Total of 1,500 sheets of 20 lb. bond paper with an optional 500-sheet paper drawer installed.

[4] COMPONENT IDENTIFICATION

1. External view

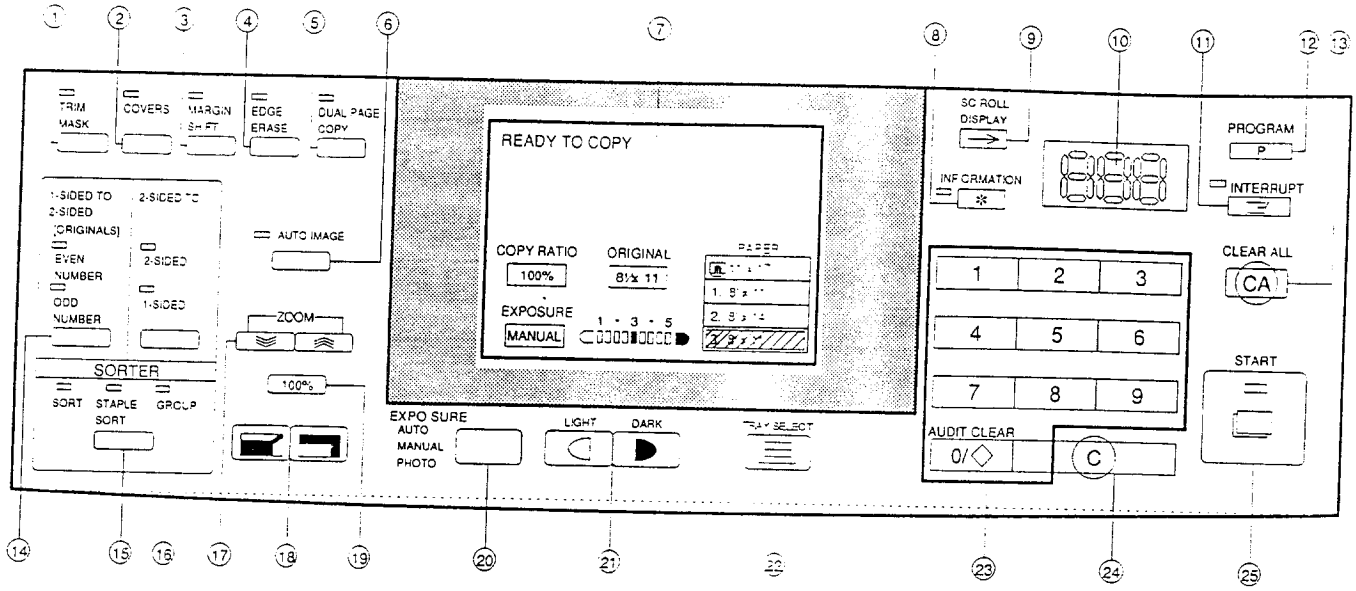


①	Original cover storage compartment	②	Copy receive tray	③	Original cover
④	Operation panel	⑤	Original glass	⑥	Paper clip tray
⑦	Paper feed tension release button	⑧	Paper feed guide	⑨	Manual paper feed tray
⑩	Exit panel release handle	⑪	Power switch	⑫	Paper feed cassette module slots
⑬	Front panel	⑭	Waste toner container access cover	⑮	Copier lift handle
⑯	Side panel				



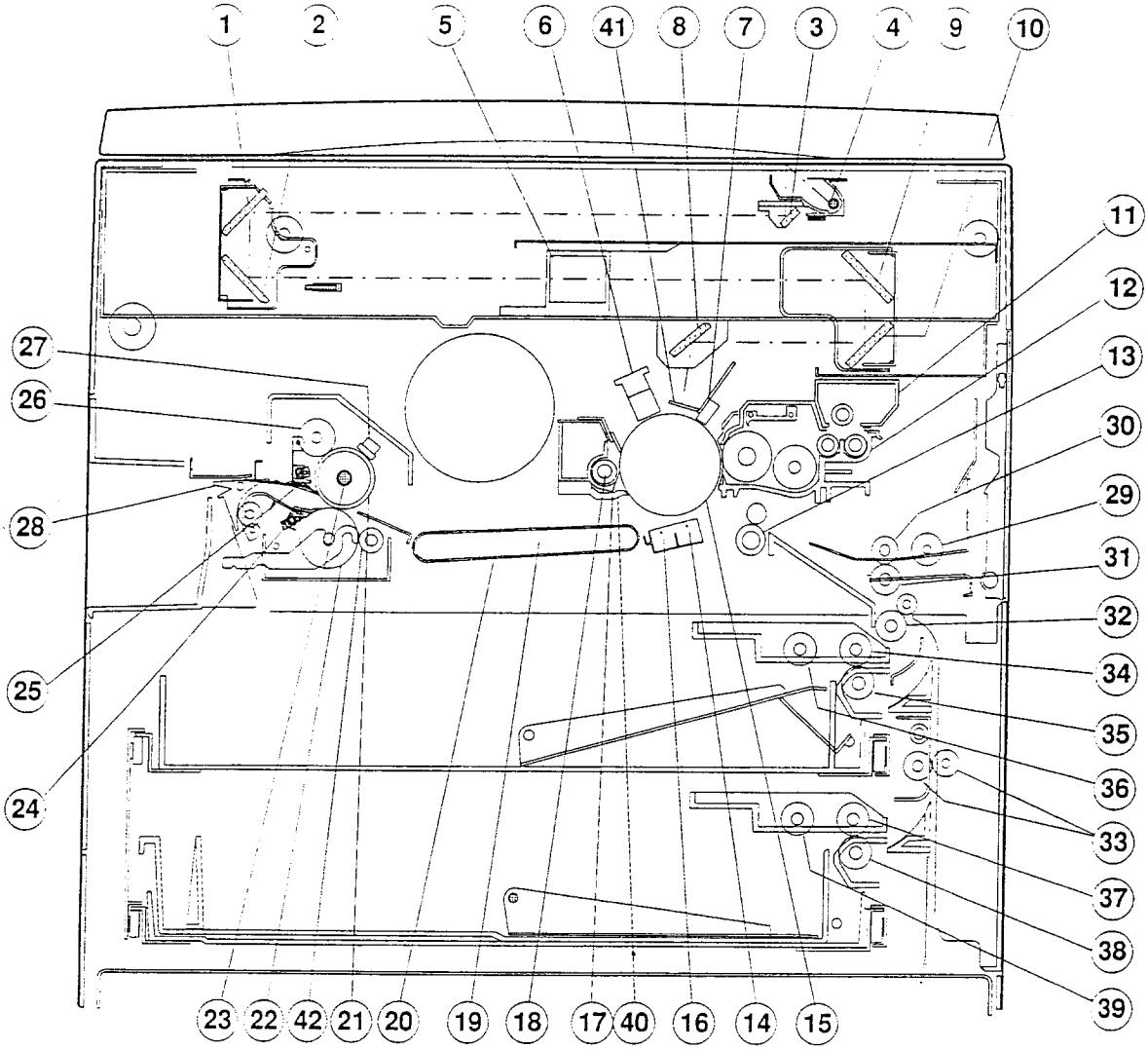
⑱	Fuser	⑲	Paper transport block accessing lever	⑳	Drum unit
㉑	Corona unit	㉒	Toner cartridge and lock lever	㉓	Developing unit and lock lever
㉔	Feed roller knobs	㉕	Toner collect container		

2. Operation panel



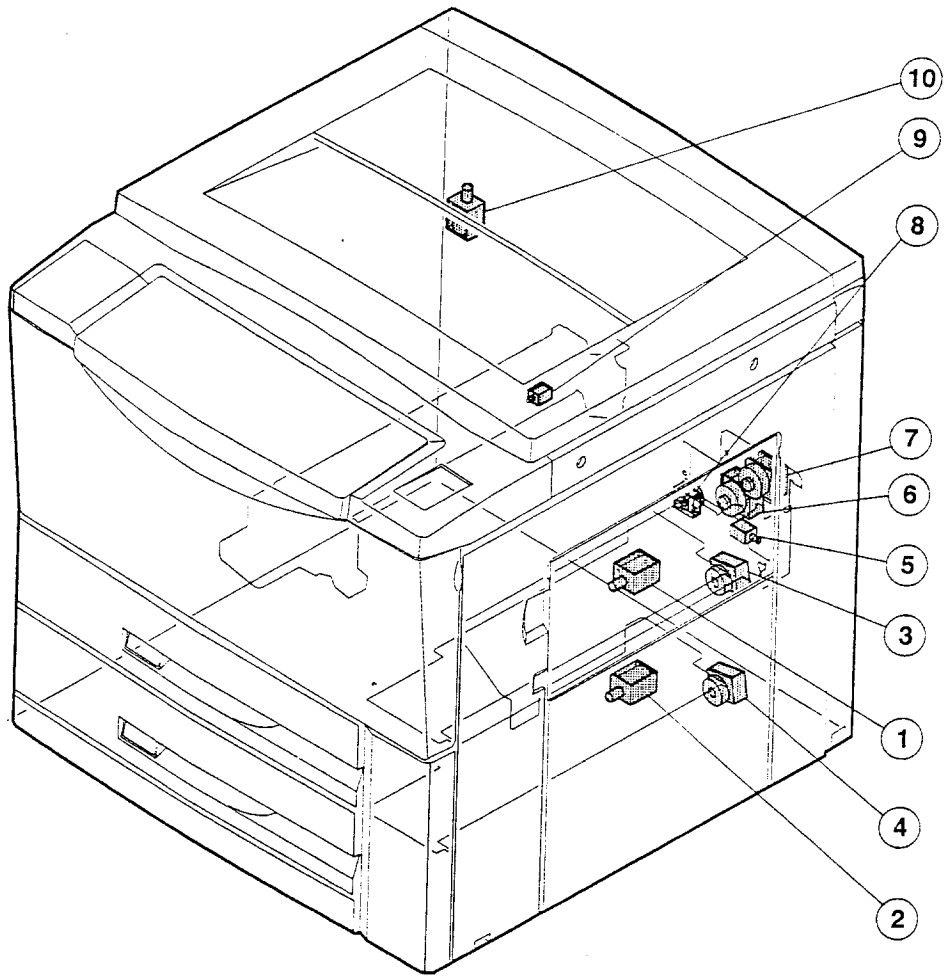
①	Trimming·masking key/lamp	②	Cover insertion select key/lamp
③	Margin shift key/lamp	④	Edge erase key/lamp
⑤	Dual copy key·lamp	⑥	Auto magnification rate select key/lamp
⑦	LCD	⑧	Information display select key/lamp
⑨	Information display scroll key	⑩	Copy quantity display
⑪	Interrupt key/lamp	⑫	Program select key
⑬	Clear all key	⑭	Simplex to duplex copy key/lamp
⑮	Sorter key/lamp	⑯	Duplex original copy key/lamps
⑰	Zoom keys	⑱	Enlargement/Reduction keys
⑲	Normal ratio key	⑳	Exposure mode select key
㉑	Exposure control key	㉒	Cassette select key
㉓	Ten keys	㉔	Clear key
㉕	Print switch/Ready lamp		

3. Internal view



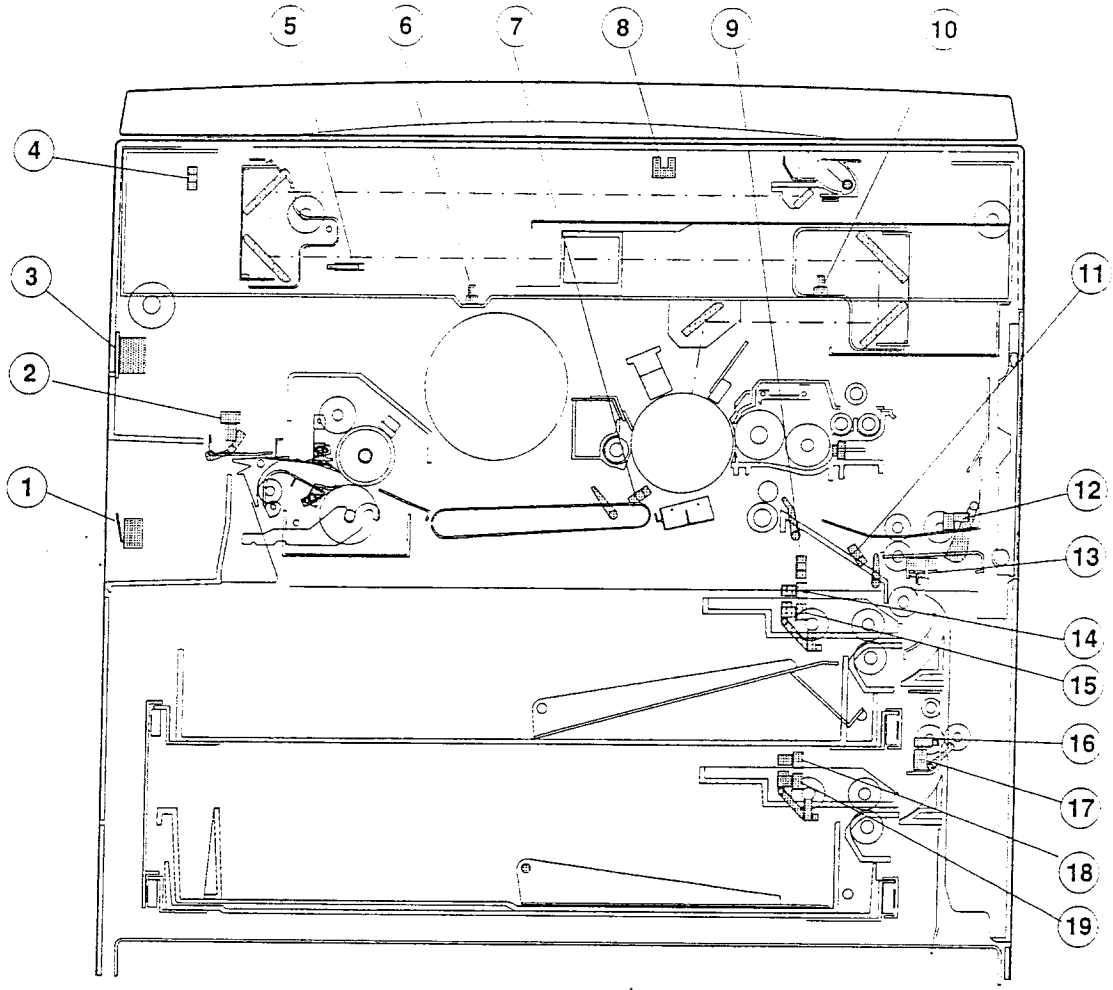
①	#2 mirror	②	#3 mirror	③	#1 mirror
④	Copy lamp	⑤	Lens	⑥	Main corona unit
⑦	Blank lamps	⑧	#6 mirror	⑨	#4 mirror
⑩	#5 mirror	⑪	Developing tank toner box	⑫	Developing tank
⑬	Resist roller	⑭	Transfer corona	⑮	Drum
⑯	Separation corona	⑰	Drum separator pawl	⑱	Cleaner unit
⑲	Suction unit	⑳	Suction belts	㉑	Upper heat roller
㉒	Lower heat roller	㉓	Heater lamp	㉔	Lower separator pawl
㉕	Upper separator pawl	㉖	Upper cleaning roller	㉗	Fuser thermistor
㉘	Delivery select gate	㉙	Manual feed takeup roller	㉚	Manual feed paper feed roller
㉛	Counter manual feed roller	㉜	Transport roller (upper)	㉝	Transport roller (lower)
㉞	Upper paper feed roller	㉟	Retard roller	㊱	Upper paper takeup roller
㊲	Lower paper feed roller	㊳	Retard roller	㊴	Lower paper takeup roller
㊵	Process control sensor	41	Process mark sensor	㊷	Lower cleaning roller

4. Clutches, solenoids



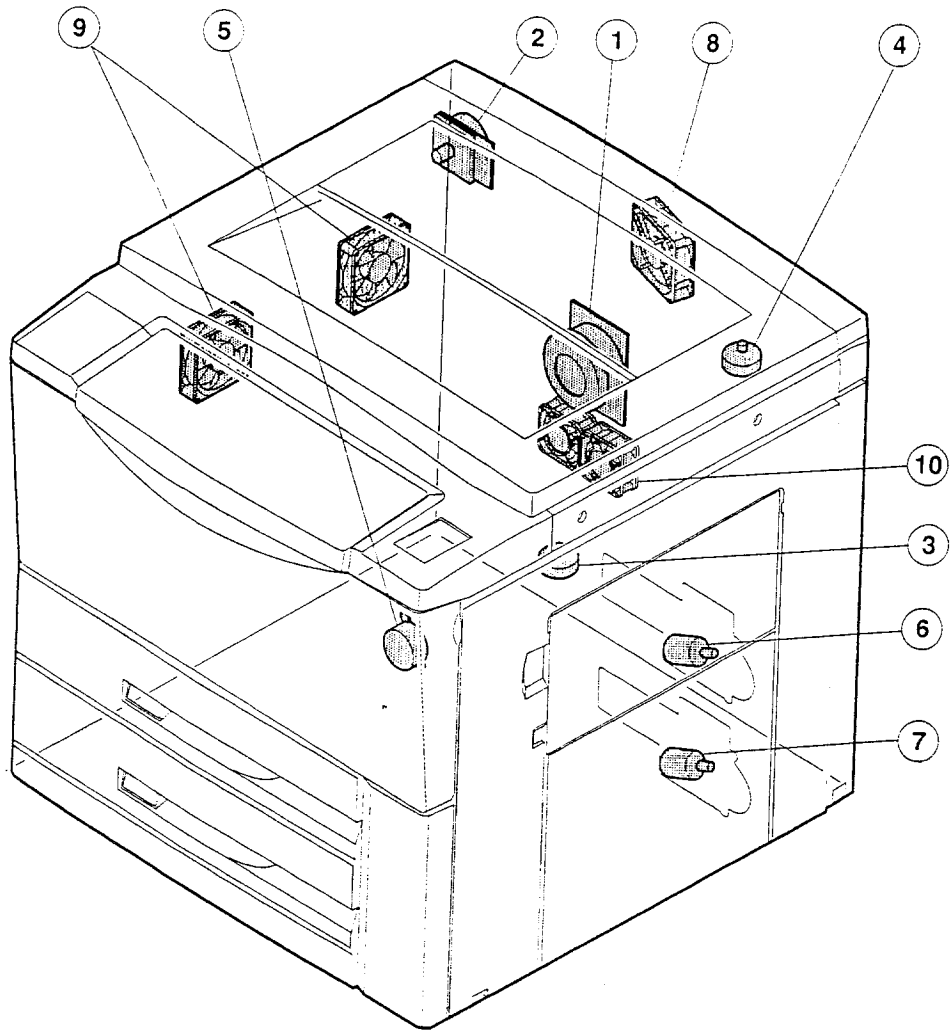
	Signal name	Name	Function
①	CPFS1	Upper cassette paper feed solenoid	For tensioning takeup roller
②	CPFS2	Lower cassette paper feed solenoid	For tensioning takeup roller
③	CPFC1	Upper cassette paper feed clutch	For actuating paper feed roller
④	CPFC2	Lower cassette paper feed clutch	For actuating paper feed roller
⑤	MPFS	Manual paper feed solenoid	For tensioning takeup roller
⑥	TRCL	Transport roller clutch (slow)	For actuating transport roller (slow)
⑦	TRCH	Transport roller clutch (fast)	For actuating transport roller (fast)
⑧	RRC	Resist roller clutch	For actuating resist roller
⑨	PSPS	Paper separation solenoid	For actuating paper separation solenoid
⑩	DGS	Duplex copy gate solenoid	For actuating duplex copy gate

5. Sensors



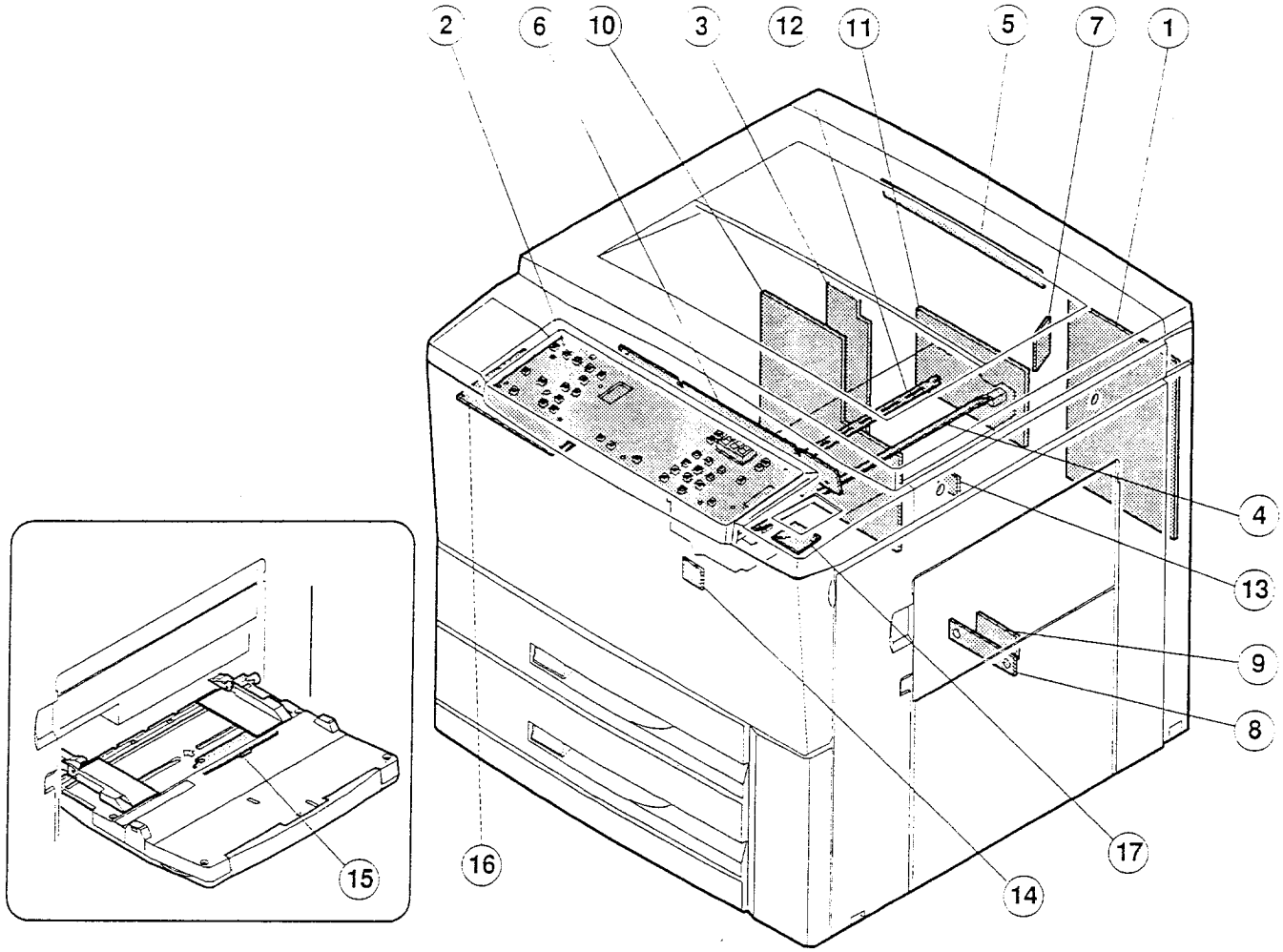
	Signal name	Type	Name	Output
①	CSWL	Microswitch	Cover switch, (left)	On when closed
②	POD	Transmissive photosensor	Paper exit sensor	Low when paper passes over
③	P-SW	See-saw switch	AC power switch	—
④	MHPS	Transimissive photosensor	Mirror home position sensor	High when scanner at home postion
⑤	CSWF	Microswitch	Cover switch, (front)	On when closed
⑥	LHPS	Transimissive photosensor	Lens home position sensor	Low when lens at home postion
⑦	PSD	Transimissive photosensor	Paper separation sensor	High when paper passes over
⑧	OCSW	Transimissive photosensor	Original cover switch	Low when cover is open
⑨	PPD2	Transimissive photosensor	Paper transport sensor	Low when paper passes over
⑩	MBHPS	Transimissive photosensor	Mirror home position sensor	Low when mirror at home position
⑪	PPD1	Transimissive photosensor	Paper transport sensor-1	Low when paper passes over
⑫	PED1	Transimissive photosensor	Manual feed paper sensor	Low when paper passes over
⑬	TFD	Transimissive photosensor	Full waste toner sensor	Low when full waste toner detected
⑭	LUD1	Transimissive photosensor	Upper cassette liftup sensor	Low when lift plate detected
⑮	PED2	Transimissive photosensor	Upper cassette paper sensor	Low when paper detected
⑯	CSWR	Microswitch	Doorswitch (right)	On when closed
⑰	PID	Transimissive photosensor	Paper transport sensor	High when paper passes over
⑱	LUD2	Transimissive photosensor	Lower cassette liftup sensor	Low when lift plate detected
⑲	PED3	Transimissive photosensor	Lower cassette paper sensor	Low when paper detected

6. Motors



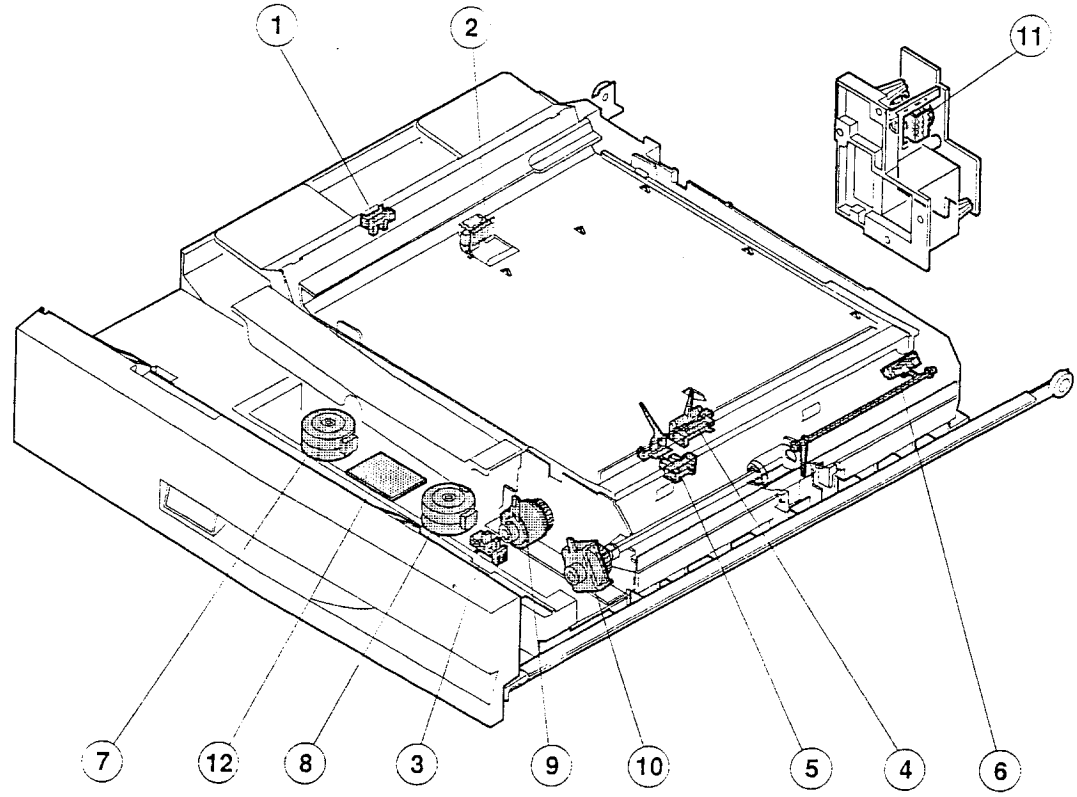
	Signal name	Name	Type	Function
①	MM	Main motor	DC, brushless	Driving copier and ADU option
②	SM	Mirror motor	DC, brushless	Driving optical system mirror bases A and B
③	LEM	Lens motor	DC, stepping	Driving optical lens
④	MBM	#4/5 mirror base motor	DC, stepping	Driving optical mirror base C
⑤	TM	Toner motor	DC, synchronous	Supplying toner
⑥	(LUM1)	Upper cassette liftup motor	DC, brush	Lifting upper paper feed cassette baseplate
⑦	LUM2	Lower cassette liftup motor	DC, brush	Lifting lower paper feed cassette baseplate
⑧	CFM	Cooling fan motor	DC, brushless	Cooling optical system
⑨	VFM	Ventilation fan motor	DC, brushless	Ventilating fuser area
⑩	SFM	Suction fan motor	DC, brushless	Ventilating process unit area aid in paper transport

7. Board list



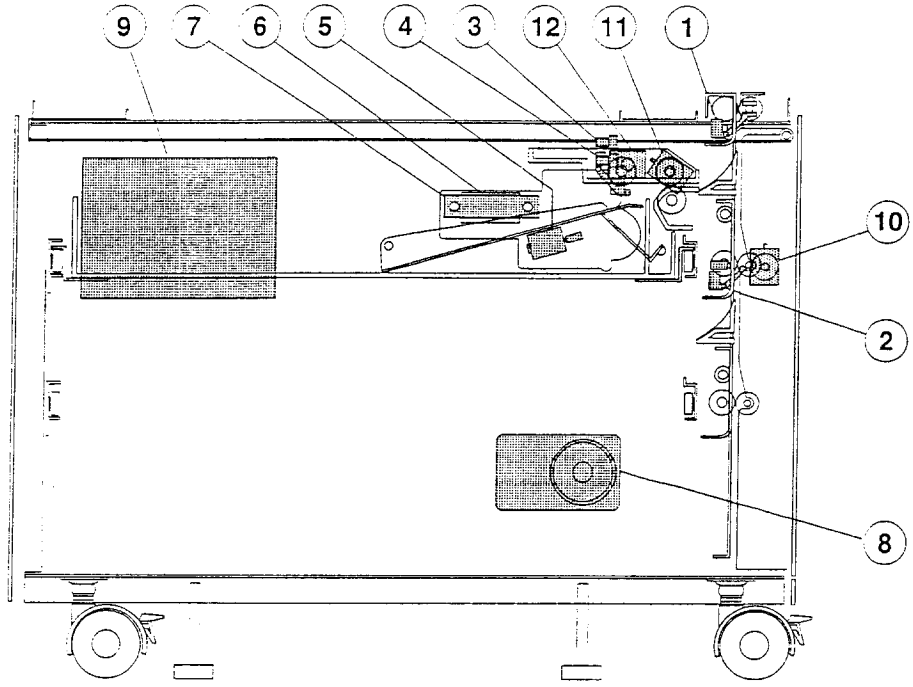
	Name	Type	Function
①	Main PWB	Common	Primary control of copier functions
②	Operation PWB	Japan/Export	Display
③	AC PWB	Japan/Export, 100V/200V	Supplying AC power
④	Blank lamp PWB	Common	Controlling blank lamps
⑤	Original sensing light emitting PWB	Japan/Export	Sensing original size
⑥	Original sensor light receive PWB	Japan/Export	Sensing original size
⑦	AE PWB	Common	Automatic exposure sensor
⑧	Cassette paper size PWB	Common	Sensing cassette paper size
⑨	Liftup motor PWB	Common	Driving paper cassette bottom plate liftup
⑩	DC power supply unit	100V/200V series	Supplying DC power
⑪	High voltage transformer	Common	Supplying process unit high voltage and developing bias voltage
⑫	Discharge lamp	Common	Driving discharge lamps
⑬	Scanner motor power PWB	Common	Scanner motor drive power supply
⑭	Process control VR PWB	Common	Process sensor sensitivity adjustment
⑮	Manual feed paper size sensor PWB	Japan/Export	Paper size detection (Japan, portrait only)
⑯	LCD control PWB	Japan/Export	LCD display drive/control
⑰	LCD invertor PWB	Common	LCD power invertor circuit

8. Duplex copy tray



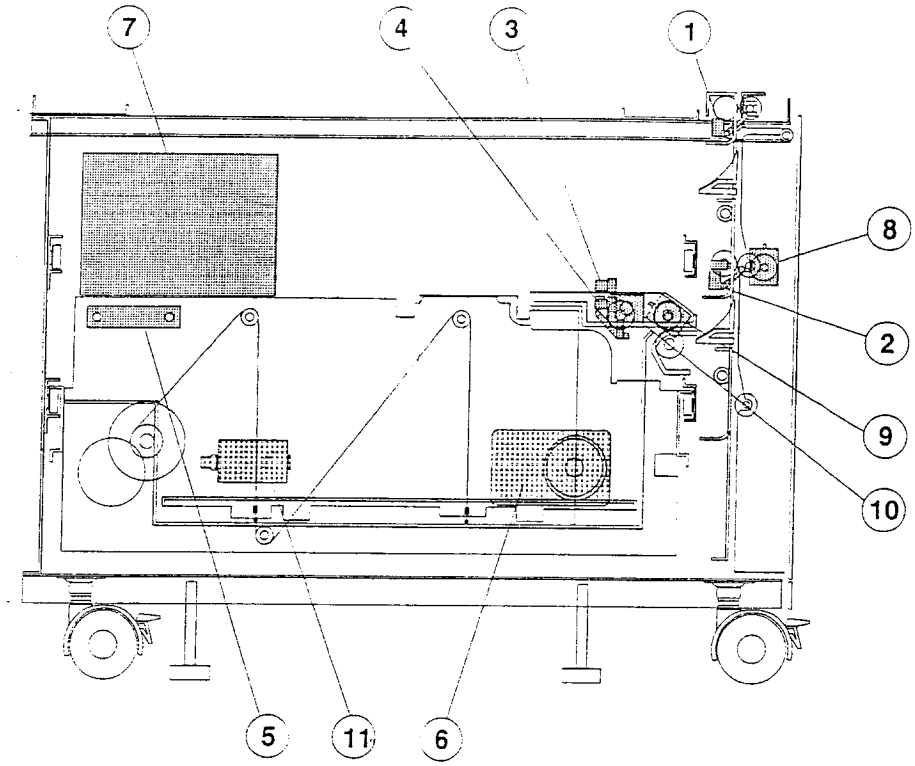
	Signal name	Type	Name	Output
①	APHPS2	Transimissive photosensor	ADU rear plate home position sensor	Low when at home position
②	DPPD1	Transimissive photosensor	ADU paper transport sensor-1	High when paper passes over
③	APHPS1	Transimissive photosensor	ADU alignment plate home position sensor	Low when over home position
④	DPPD2	Transimissive photosensor	ADU paper transport sensor-2	High when paper detected
⑤	DTPID	Transimissive photosensor	ADU tray sensor	High when paper detected
⑥	DPFD	Transimissive photosensor	ADU paper entry sensor	High when paper detected
⑦	PAM2	DC stepping motor	ADU rear plate motor	
⑧	PAM1	DC stepping motor	ADU alignment plate motor	
⑨	DPFC	Magnetic clutch	ADU paper feed clutch	
⑩	DRRC	Magnetic clutch	ADU counter roller clutch	
⑪	DDC	Magnetic clutch	ADU clutch	
⑫	ADUPWB	Duplex copy tray load driving	Diode PWB	

9. Desk unit (SF-D20)



	Signal name	Name	Function
①	DPOD1	Desk paper exit sensor	Paper exit sensor (High when paper passes over)
②	DPOD2	Desk paper exit sensor	Paper exit sensor (High when paper passes over)
③	DLUD1	Desk cassette liftup sensor	Cassette liftup sensor (Low when lift plate detected)
④	DPED1	Desk cassette paper sensor	Cassette paper sensor (Low when paper detected)
⑤	DLUM1	Desk cassette liftup motor	Cassette liftup drive motor
⑥	—	Liftup motor PWB	—
⑦	—	Cassette paper size PWB	—
⑧	DM	Desk drive motor	Desk main motor
⑨	—	Desk main PWB	—
⑩	DTRC	Desk transport roller clutch	Transport roller drive
⑪	DPFC1	Desk paper feed clutch	Paper feed roller drive
⑫	DPFS1	Desk paper feed solenoid	Paper takeup roller drive

10. Desk unit (SF-D21)



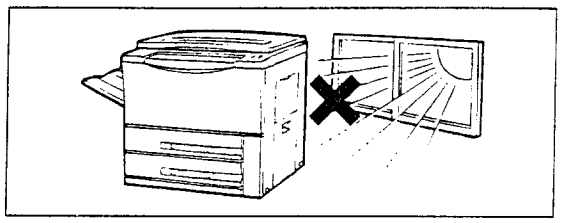
	Signal name	Name	Function
①	DPOD1	Desk paper exit sensor	Paper exit sensor (High when paper passes over)
②	DPOD2	Desk paper exit sensor	Paper exit sensor (High when paper passes over)
③	DLUD2	Desk cassette liftup sensor	Cassette liftup sensor (Low when lift plate detected)
④	DPED2	Desk cassette paper sensor	Cassette paper sensor (Low when paper detected)
⑤	—	Cassette paper size PWB	—
⑥	DM	Desk drive motor	Desk main motor
⑦	—	Desk main PWB	—
⑧	DTRC	Desk transport roller clutch	Transport roller drive
⑨	DPFC2	Desk paper feed clutch	Paper feed roller drive
⑩	DPFS2	Desk paper feed solenoid	Paper takeup roller drive
⑪	LCCM	Large capacity cassette motor	Cassette tray liftup drive motor

[5] INSTALLATION

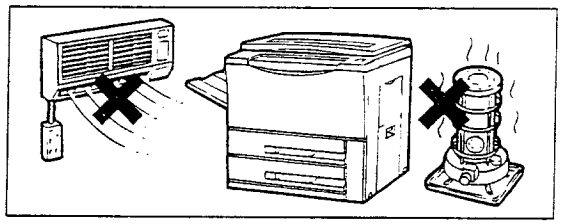
1. Installing conditions

(1) Machine environment

① Avoid Installation in direct sunlight or bright locations near a window.
Direct sunlight may cause damage to components and the original cover deformation. Frosted glass may also produce the same effect.

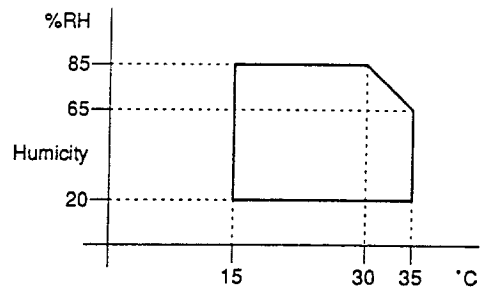


② Avoid installation in a hot or damp area, or where rapid changes in humidity temperature occur. (For example; near an air conditioner.)
Rapid changes may cause paper to dampen, or frost to form inside the copier, and may lead to a misfeed and deterioration in copy quality.

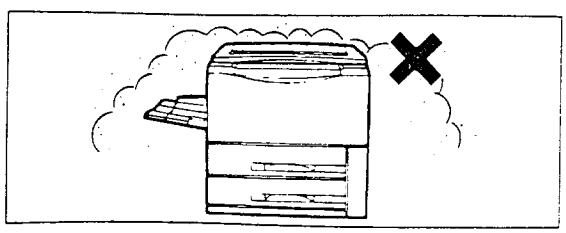


The recommended environmental conditions are:
20 to 25 degrees Centigrade (68 to 77 F) and 60 to 70%RH.

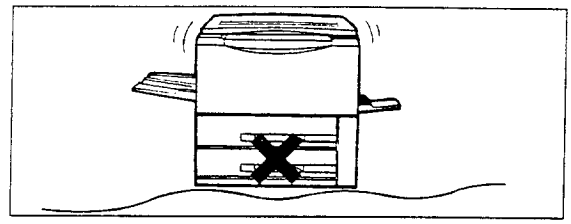
The nominal environmental conditions are:
15 to 30 degrees Centigrade and 25 to 85%RH.
If the temperature is 35 degrees C and the humidity should be 65%RH.



③ Avoid installation in a place where dust or vibration is encountered.
Dust deposit inside the copier may lead to a deterioration of copy quality or machine trouble.

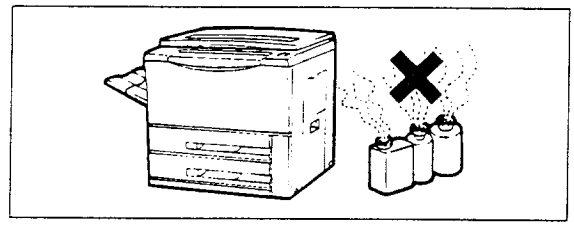


④ Do not install the copier on an unstable or uneven floor. This copier must be placed on a level surface to permit proper functioning.



⑤ Avoid installation in a place where the ventilation or air circulation is poor.

⑥ Never install the copier near inflammable materials or in the presence of ammonia fumes.
Installation near a diazo copy machine may lead to a deterioration of copy quality or machine malfunction.



⑦ Install the copier near a wall outlet.

(2) Space around the copier

The copier must be installed at least 10cm away from the wall in order to permit fan ventilation and to allow proper machine operation.

(3) Machine table

Install the copier on a level surface using the water level (UKOGM0054CSZZ).

IMPORTANT: Installing the copier on an unlevel surface may effect copy quality an machine performance.

(4) Power source

① The power supply line should have a capacity of more than 15A, capable of supplying more than 90% of the rated voltage at full load.

② Do not use an extension cord, or operate any other equipment from the same wall outlet.

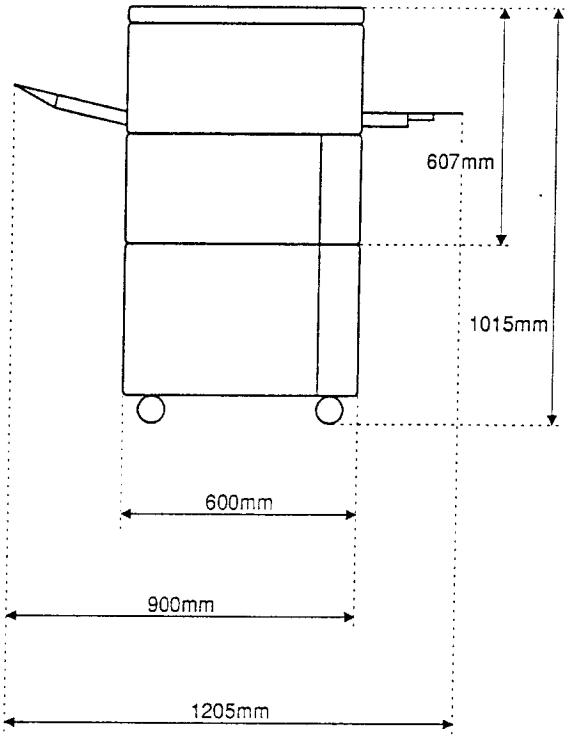
(5) Ground connection

To avoid electrical hazard, use the properly grounded wall outlet only.

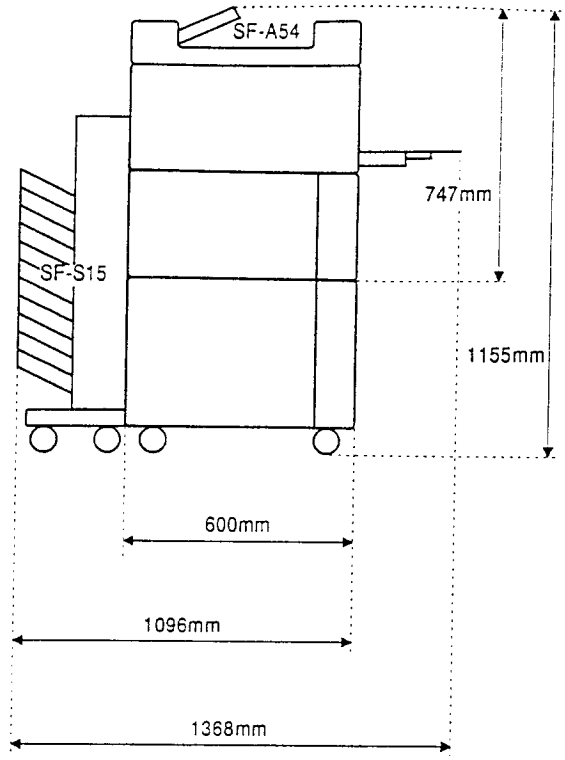
2. Installation space

A sufficient space must be reserved for proper ventilation by the cooling fan and for proper functioning of the machine. In addition, the machine service (maintenance) space is required.

(1) Copier and desk



(2) Copier, desk, and option unit



(3) At least a space of 300mm (one foot) is needed for both sides of the machine for servicing.
Installation of the machine largely affects the machine performance, the following must be well noted.

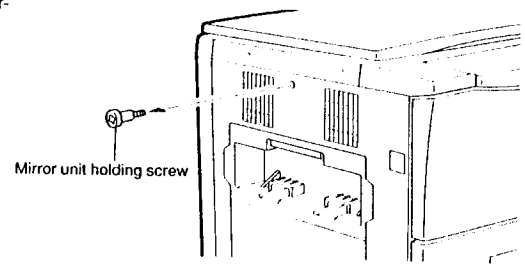
3. Installation procedure

(1) SF-2035

1. Releasing optical locks

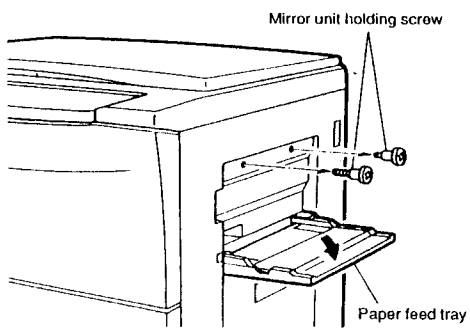
A Removing the #2/3 mirror unit lock

Unfasten the screw that holds the #2/3 mirror unit on the left side of the machine.

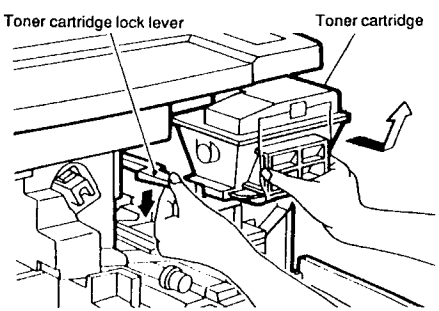


B Releasing the lens and #4/5 mirror unit from lock

(1) Open the paper feed tray and remove two screws that hold the #4/5 mirror unit. Open the front panel and remove one screw that holds the lens under the operation panel.



(2) While pressing the toner cartridge lock lever down, pull out the toner cartridge.

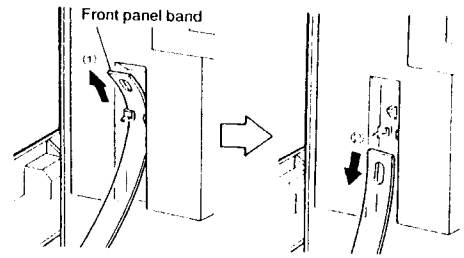


(3) Remove the lens fixing screw (1 pc.) under the operation panel.

2. Fuser unit set up

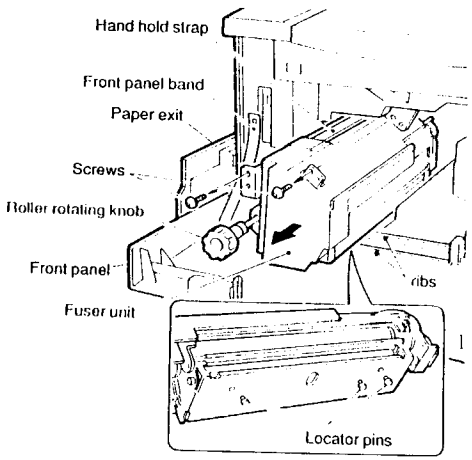
A Removing the fuser unit

(1) While holding up the paper exit handle, open the paper exit cover.
Remove the front panel band on the left side of the front panel in a manner shown in the figure.



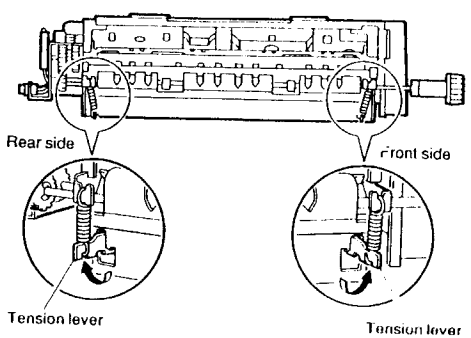
(2) Remove the fuser unit holding two screws.

(3) Hold the fuser unit rotating knob. Push on the front panel and gently remove the fuser unit. Do not let the locator pins under the fuser unit hit the ribs on the front cover.
Hold the fuser unit hand carry strap and remove the fuser unit.



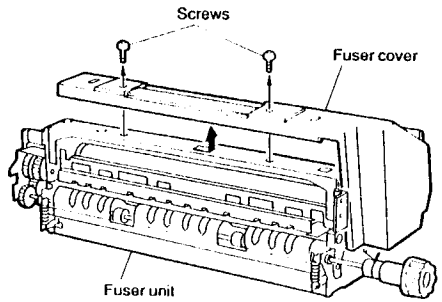
B Tensioning the heat roller

Move the tension levers on both sides of the fuser unit to the position shown in the figure. With this, tension is applied to the upper and lower heat rollers.



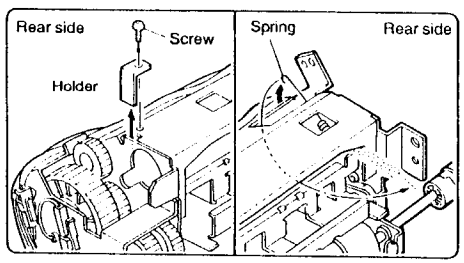
C Installing the cleaning roller

(1) Remove two screws that hold the fuser cover, and slide the fuser cover to front then lift.

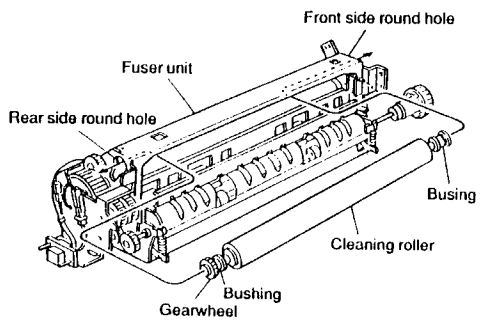


(2) Remove the spring secured to the front side of the fuser unit.
Remove holding bracket securing screw on the rear side of the fuser unit, and remove holding bracket.

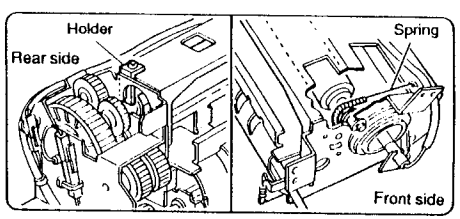
Keep the holding bracket and screw for later use.



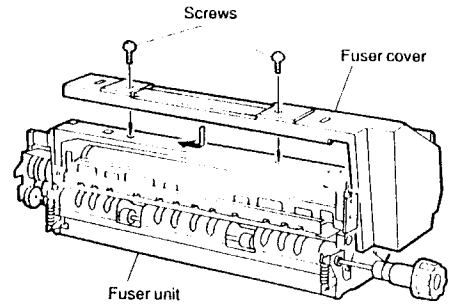
(3) Route the cleaning roller gearwheel through the round hole in the rear side of the fuser unit and insert the cleaning roller into the round hole on the front side. Note the bushings at both ends of the cleaning roller. Fit the bushings into the appropriate slots in the fuser unit frame.



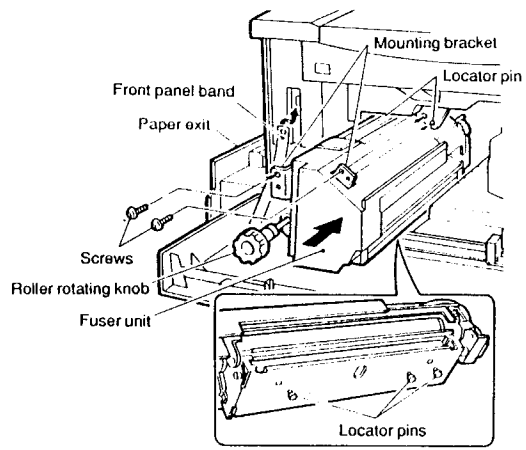
(4) Hook the spring to its previous position, replace the holding bracket to its position, then secure it with the one screw.
Ensure the spring and holding bracket are as shown in the figure; holding the bushing.



(5) Replace the fuser cover removed in Step 1, and fasten it with two screws.



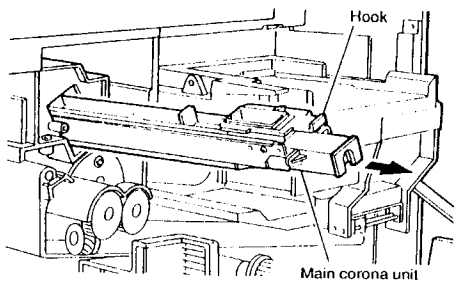
(6) Insert the locator pin under the fuser unit into slot. Gently push fuser unit all the way in.
Make sure now that the locator pins of the copier are firmly engaged into two locator holes of the fuser unit mounting bracket.
Secure fuser unit with two screw removed in (2) of **A**, and close the paper exit.
Replace the front panel band that removed in (1) of **A**.
Close the paper exit cover.



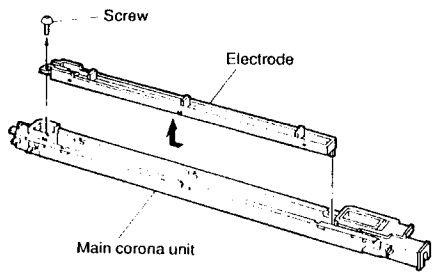
3. Cleaning corona units

A Clean the main corona unit

(1) Push down the hook of the main corona unit while removing the main corona unit from the copier.



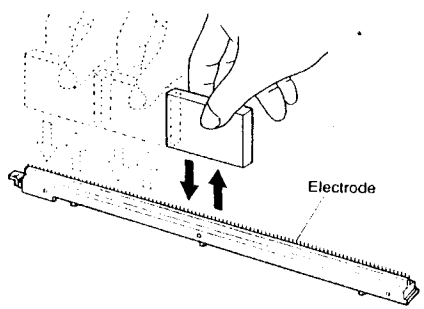
(2) Unfasten the one screw holding the electrode on the back of the main corona unit and remove the electrode.



(3) Very carefully clean the top of the electrode using the repeat this procedure a few times.

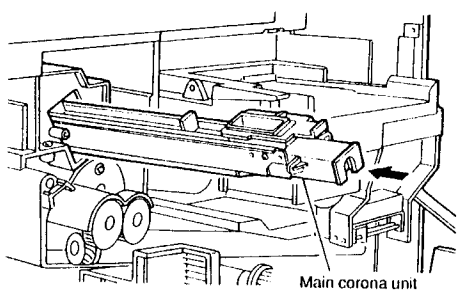
NOTES:

- Never move the cleaner in any direction except up and down when the cleaner is in contact with the electrode..
- Be sure to clean away the whole area evenly. Never clean only a portion of the electrode.



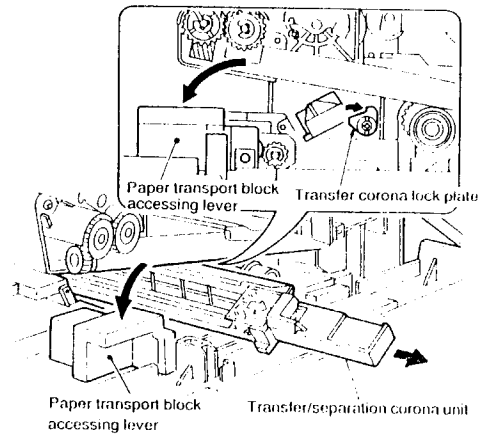
(4) Install the electrode and secure it with the one screw.

(5) Insert the main corona unit all the way into machine. Guides must be inserted into proper slots.

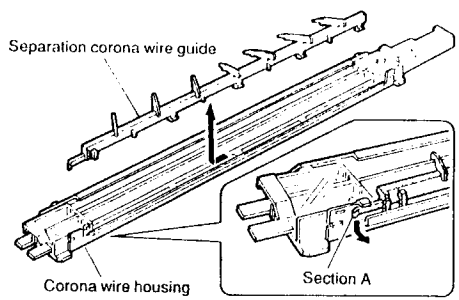


B Clean the transfer/separation corona wires

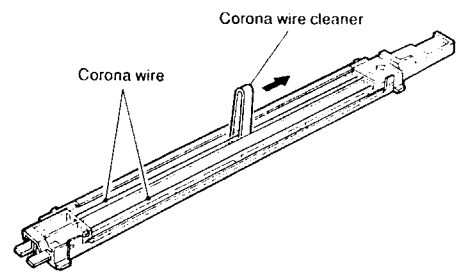
(1) Tilt the paper transport block accessing lever to left. Rotate the transfer corona lock plate clockwise using the scale or flat tip screwdriver to release it from the lock. Remove the transfer/separation corona unit from the copier.


Paper transport block accessing lever
Transfer corona lock plate
Paper transport block accessing lever
Transfer/separation corona unit

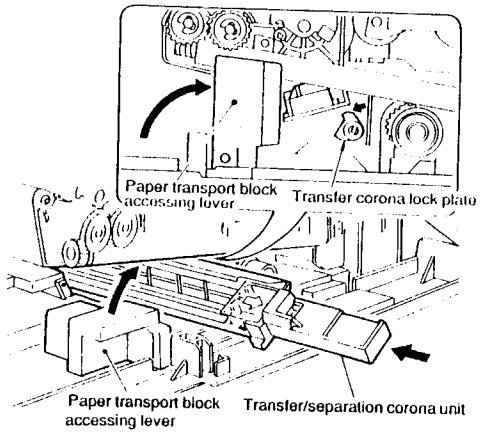
(2) Unhook the section A of the separation corona guide, slide the separation corona in the direction of the arrow, and remove the separation corona guide from the corona housing.



(3) Squeeze the transfer/corona wire with the corona wire cleaner. Move the cleaner in the direction of the arrow to clean the wire.

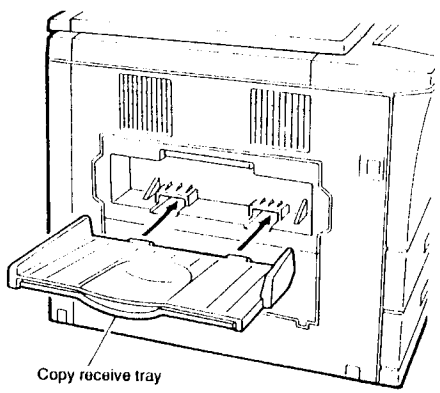


4. Install the separation corona guide to the corona housing. Insert the corona assembly along the guide of the transfer/separation corona unit. Rotate the transfer corona lock plate counterclockwise, return the paper transport block accessing lever clockwise, and close the front panel.


Paper transport block accessing lever
Transfer corona lock plate
Paper transport block accessing lever
Transfer/separation corona unit

4. Installing accessories

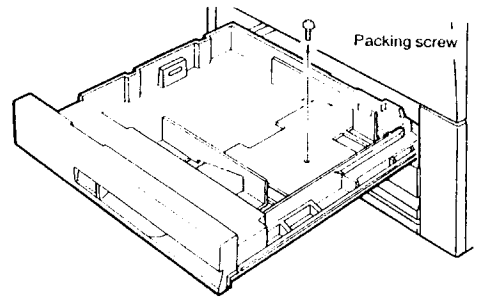
A Install the copy receive tray



5. Setting up the upper paper cassette (Only TAIWAN)

A Remove the packing screw of the cassette.

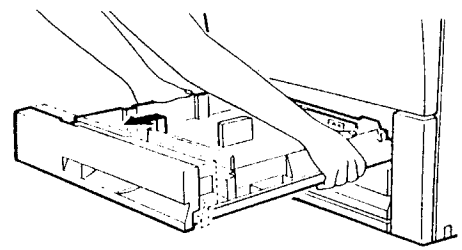
Pull out the cassette drawer by lifting while pulling out drawer.
Remove the one packing screw that secures the paper tension plate of the cassette.



In the case of the B5R cassette, it has been set at the factory.

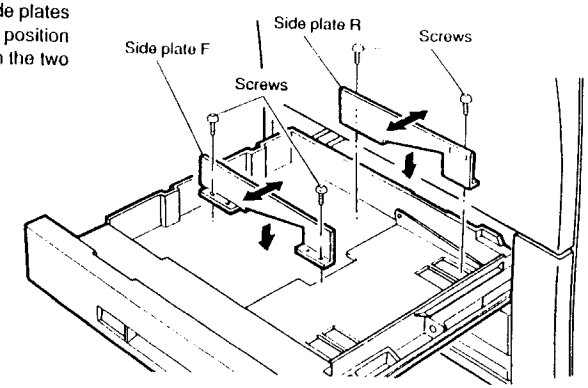
B Removing the cassette

Hold up the cassette grasping the both sides of the cassette and pull it all the way out.



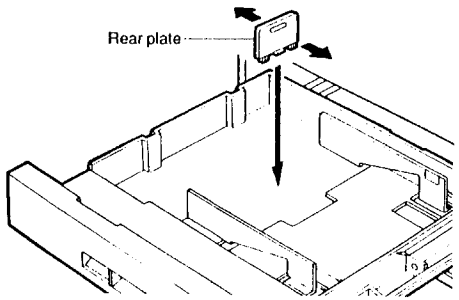
C Change the size using the side plates F and R.

Remove two screws that hold the side plates F and R. Set the plates into their position shown with notches, and secure with the two screws.



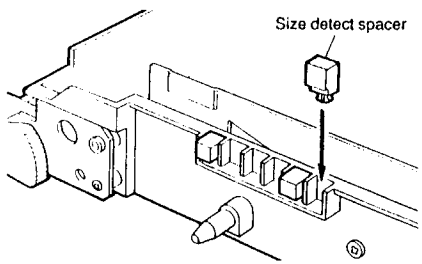
D Insert the rear plate

Remove the rear plate and set the plate into the position indicated for the desired paper sixe.

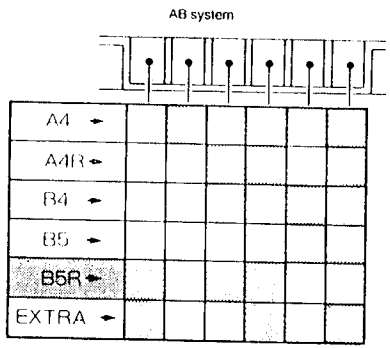


E Set the size detect spacer

Change the position of the size detect spacer. Move the spacer to the appropriate positions.



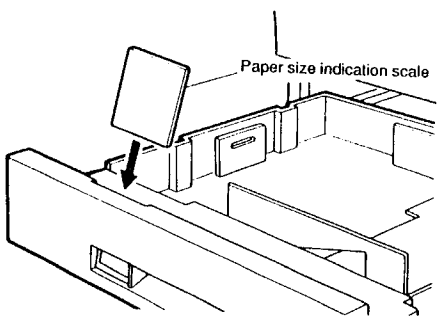
(Ex) A3 setting.



F Change the paper size indication plate

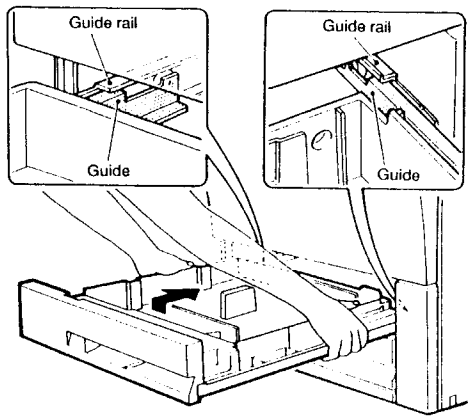
Remove the paper size indication plate. Install the plate so the size of the paper can be seen from the window.

Paper sizes are printed on the front and the back of the paper size indicator plate.



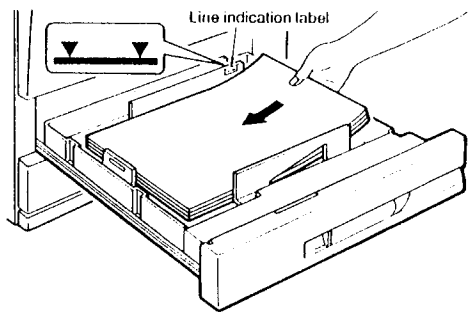
G Set the cassette

Hold up both sides of the cassette from back and insert it along the guide rails. Ensure the cassette moves in and out smoothly.



H Load paper

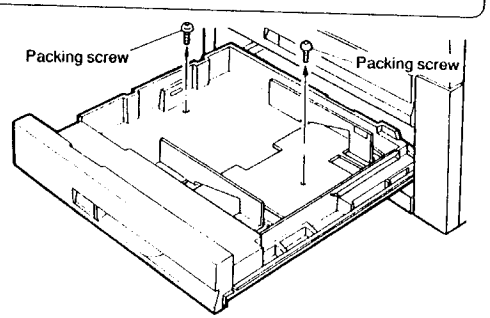
Load paper in the cassette, but not above the maximum line.
Insert the cassette all the way into the machine.



6. Set up the lower paper cassette

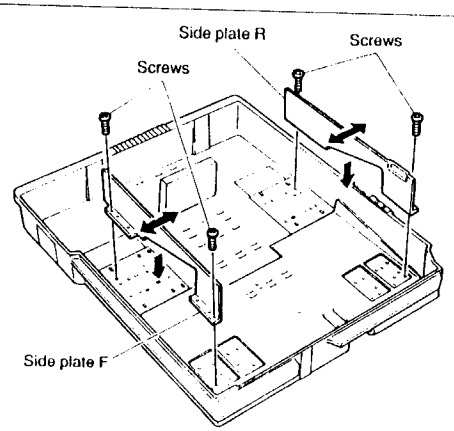
A Remove the packing screw of the cassette.

Remove the two packing screw that hold the paper tension plate of the cassette.



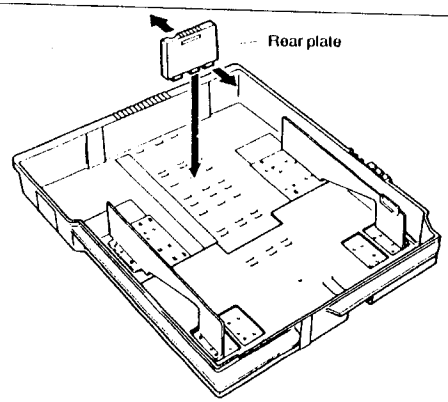
B Change the size using the side plates F and R. (set to A3 position at the factory.)

Set the plates into the appropriate positions and secure wach plate with two screws.



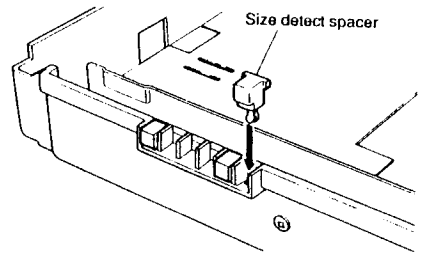
C Change the size of the rear plate.

Remove the rear plate. Set the plate into the position indicated for the desired paper size.



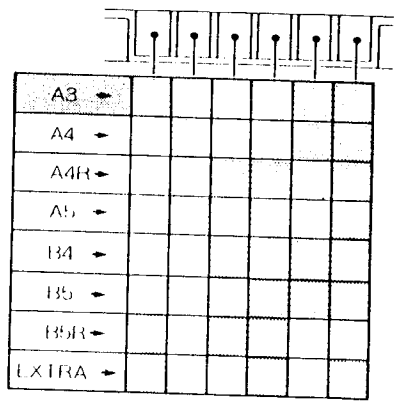
D Set the size detect spacer

Change the position of the size detect spacer. Move the size detect spacers to the appropriate positions.

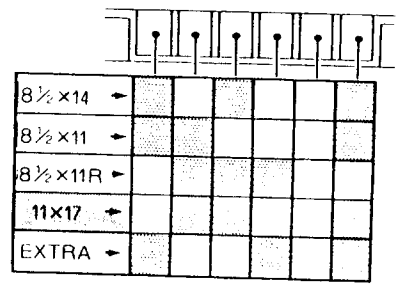


(Ex) A3 setting

AB system

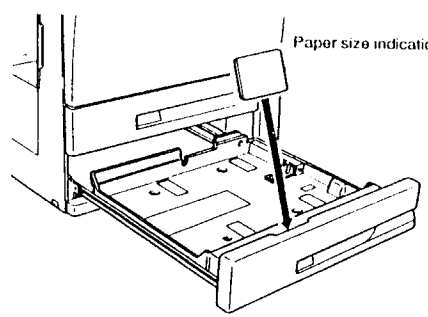


Inch system



E Change the paper size indication plate

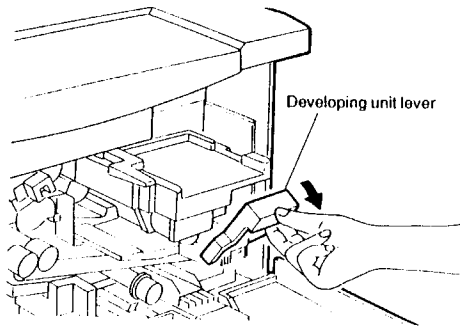
Remove the paper size indication plate. Install the plates so the size of the paper can be seen from the window.
Paper sizes are printed on the front and the back of the paper size indicator plate.



7. Setting developing unit

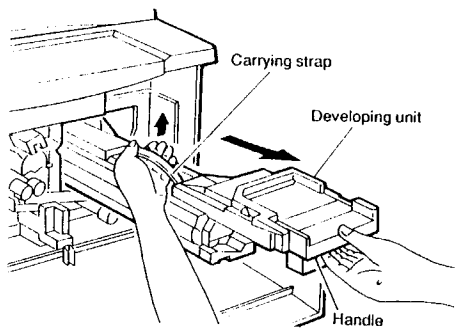
A Remove the developing unit

(1) Open the front panel and pull the developing unit lever forward.



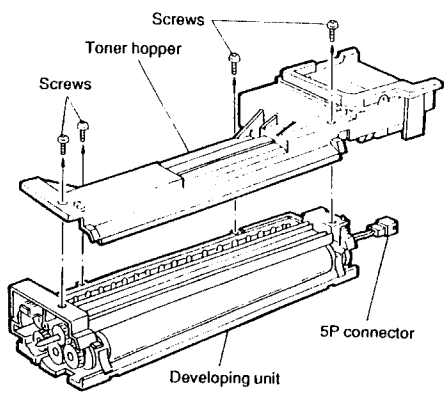
(2) Hold the handle of the developing unit and gently pull the developer unit out until it stops. Lift the carrying strap of the developing unit and remove it.

Be sure to lift the developing unit carrying strap, otherwise, the unit may not come out since a locking mechanism is utlzed.

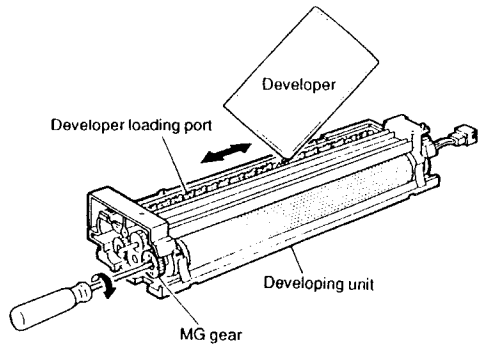


B Load developer

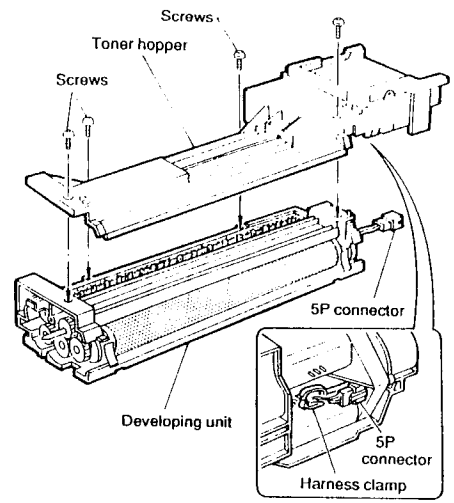
(1) Unfasten the 5P connector that connect the toner hopper with the developing unit. Remove four screws that hold the toner hopper on the developing unit, then remove the toner hopper.



(2) Pour in the developer in the developer loading port of the developing unit, while rotating the MG gear clockwise with the Phillips screwdriver. Pour in one bag of developer into the developing unit.

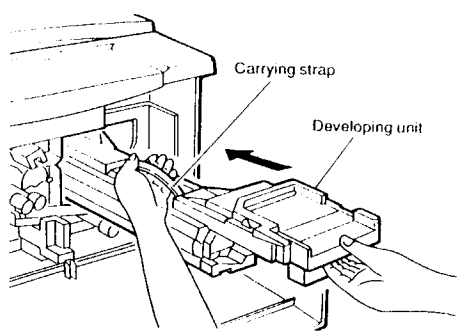


(3) Install the toner hopper using the four screws that hold the toner hopper to the developing unit and connect the 5P connector between the toner hopper and the developing unit. Note, the harness of the 5P connector must be inserted into the harness clamp.



C Set the developing unit to the copier

Place the developing unit in the copier. Insert the developer unit all the way in, close the developing unit lever and the front panel.

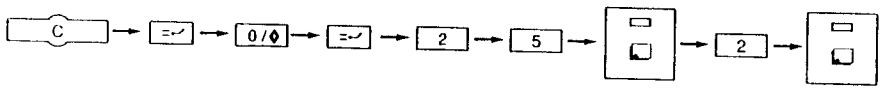


8. Adjust the toner density referance level

Turn the copier power on.

A Adjust the toner density referance level of the developing tank

(1) Execute the test command 25 sub 2.



(2) In two minutes, the test will complete.

NOTE: Never try to cancel this test command execution. Otherwise, the automatic developer referance adjustment can not be acheived.

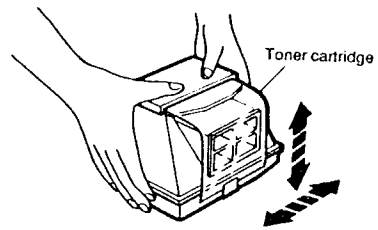
(3) Exit test command mode.

9. Toner supply

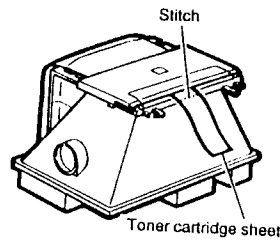
A Loading toner

(1) Open the front cabinet.

(2) Shake the toner cartridge up and down and right and left a few times.

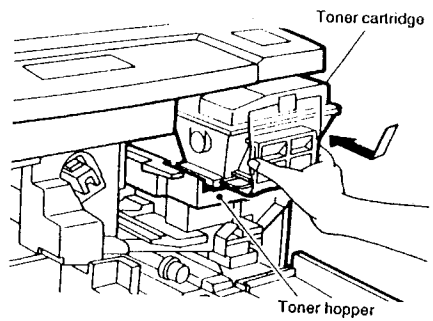


Remove the toner cartridge sheet fixing tape at the stitch.

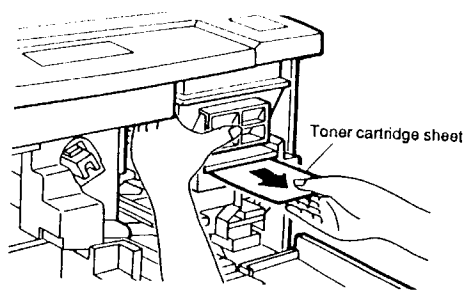


(3) Slide the toner cartridge in the arrow direction and attach it to the toner hopper.

Check that the toner cartridge is firmly locked.



(4) While holding the toner cartridge securely, pull out the toner cartridge sheet toward you and supply toner.
In this case, pull and remove the toner cartridge sheet completely.
Now toner is supplied. Close the front cabinet.

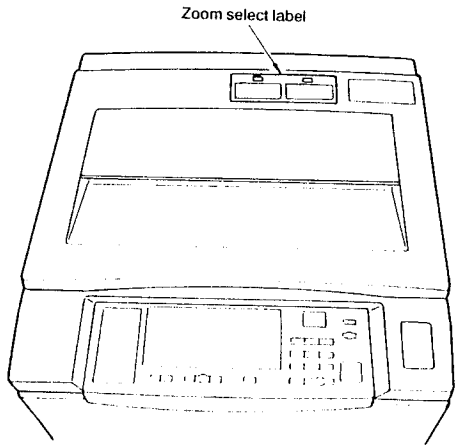


10. Attaching zoom select label

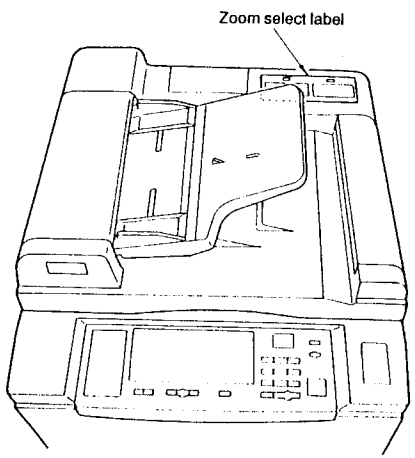
A Bond the label

The zoom select label that comes with Instruction Manual can be installed as shown

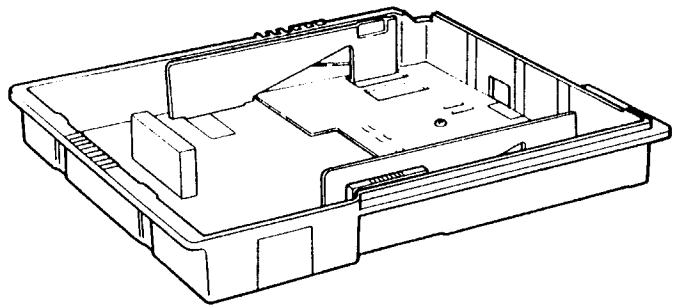
●To attach the label on the copier with the original cover



●To attach the label on the automatic document feeder.



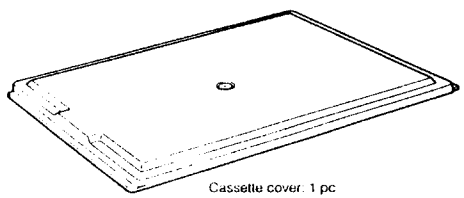
(2) SF-IC11



SF-IC11

Cassette main unit

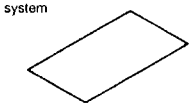
Parts included



Cassette cover: 1 pc

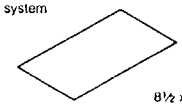
Size label for indication plate

AB system



A5 1 sheet

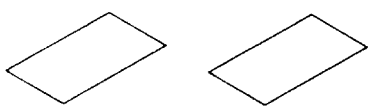
Inch system



8½ x 5½ 1 sheet

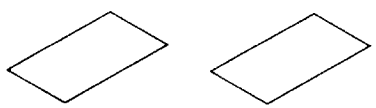
Cassette size label

AB system



A3 A4 A4R A5 B4 two sheets each

Inch system



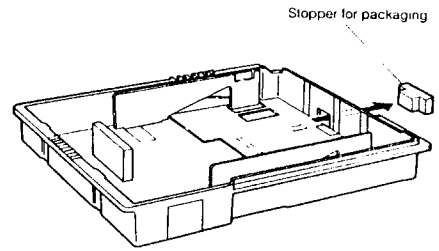
8½ x 11 · 8½ x 11R
8½ x 14 · 8½ x 5½
11 x 17 two sheets each

* Be sure to store any parts with care that are not used because they are necessary for changing the papersize.

Before performing the following procedure, be sure to remove the power plug of the copier main unit.

1 To remove the stopper for the packaging cassette unit.

Remove the stopper for the packaging the paper pressure plate in the cassette unit.



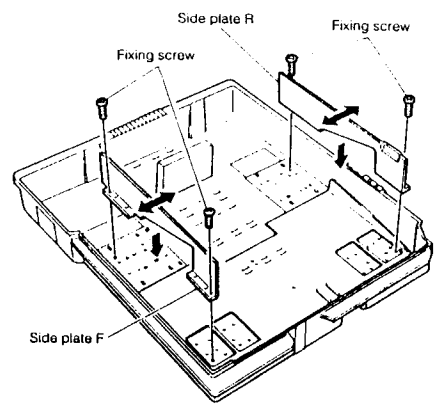
When using default setting:

★ Skip to step 7 and perform the following steps.
Initial set paper size is A3 or 11 x 17.

When using after changing paper size:

2 To change the size setting of side plate F and side plate R.

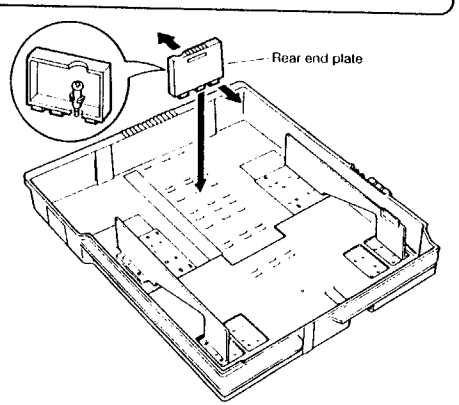
Insert side plate F and side plate R into the cassette main unit and align them on the marking for the desiredsize,and secure the side plates with fixing screws (2 pcs. each).



3 To change the size position of the rear end plate.

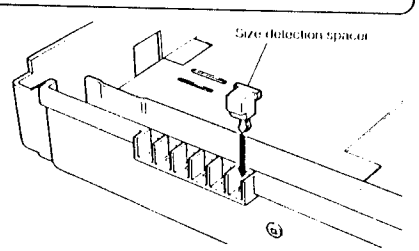
Remove the rear end plate from its rear storage place, and insert this into the cassette main unit for the desired size.

When you switch the size to A5 or 8½ x 5½, fix this plate to the rotary plate by using the screw that is attached to the rear end plate.



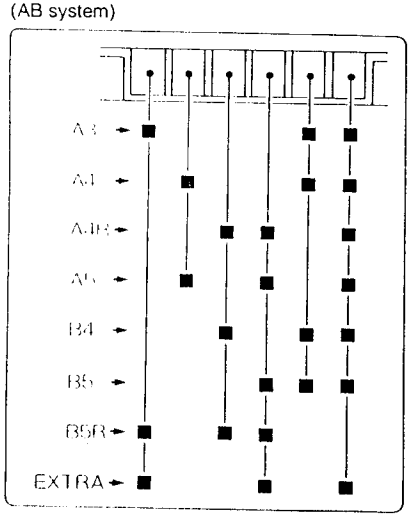
4 To set the size detection spacer.

Reposition the size detection spacer for the desired paper size.

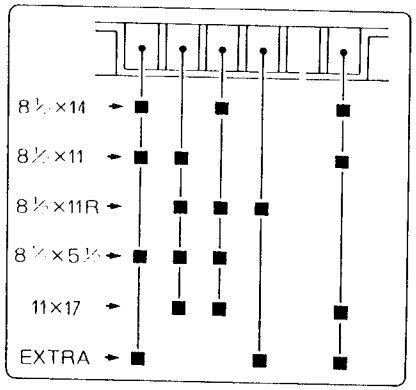


Setting diagram for size detection spacer

(AB system)

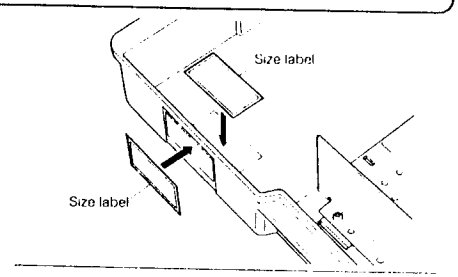


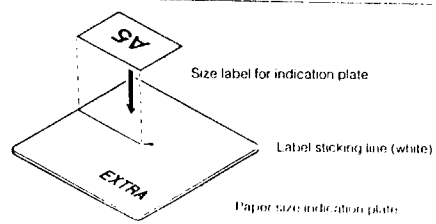
(Inch system)



5 To stick the cassette size labels.

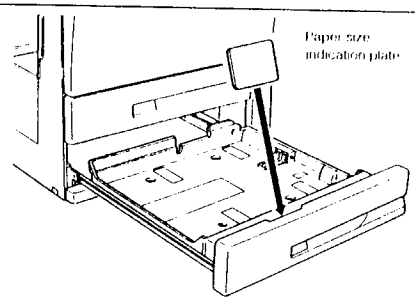
Stick the cassette size labels that indicate and correspond to the desired size on the marked positions for sticking (2 positions). If you change the size to A5 or 8-1/2 x 5-1/2, take out the paper size indication plateand stick the size label on the indication plate and align the sticking line as shown in the figure.





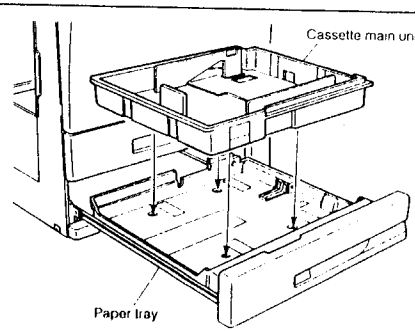
6 To change the paper size indication plate.

Take out the paper size indication plate and insert it so that the name of set paper size can be seen through the paper size indication window.
The paper size is written on both front and rear faces of the paper size indication plate.

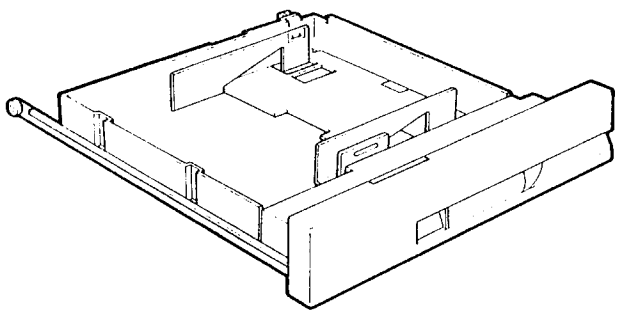


7 To install the cassette main unit on the paper tray.

Install the cassette main unit by putting the four projections into the corresponding holes of the paper tray.

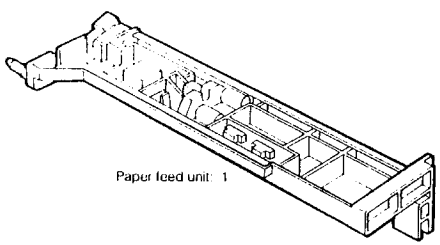


(3) SF-CM11

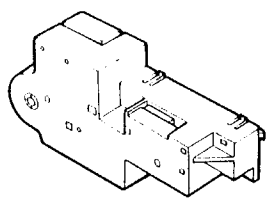


Paper Cassette

Included parts



Paper feed unit: 1



Lift-up unit: 1

Right stopper: 1

Mounting screws A (M4 × 30): 2

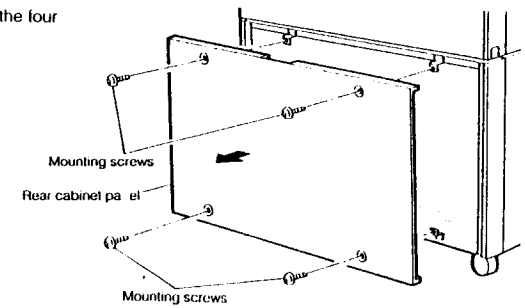
Mounting screws B (M4 × 10): 2

Be sure to unplug the copier and install the unit as follows:

★ Procedures for installation on the SF-D20 or SF-D21

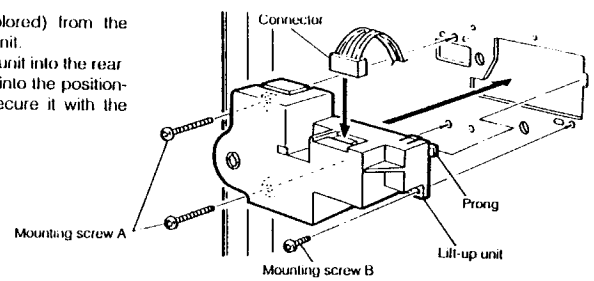
1 Remove the rear cabinet panel from the desk.

Remove the rear cabinet panel by removing the four screws which secure it to the desk.

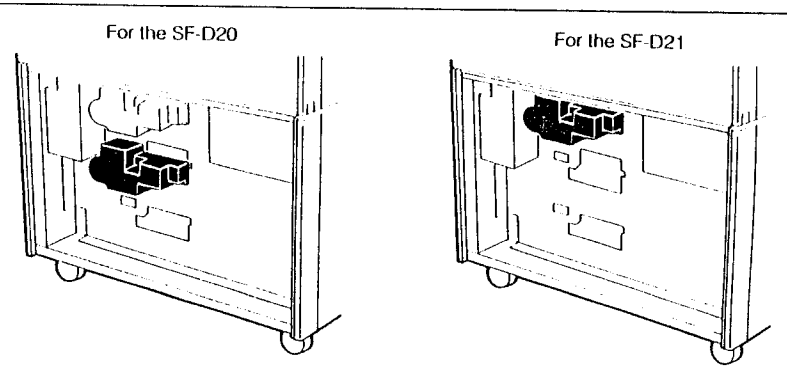


2 Install the lift-up unit.

Connect the connector (black colored) from the desk to the connector of the lift-up unit.
Next, hook the prongs on the lift-up unit into the rear frame of the desk, fit the lift-up unit into the positioning bosses (two locations), and secure it with the mounting screws A (2) and B (1).

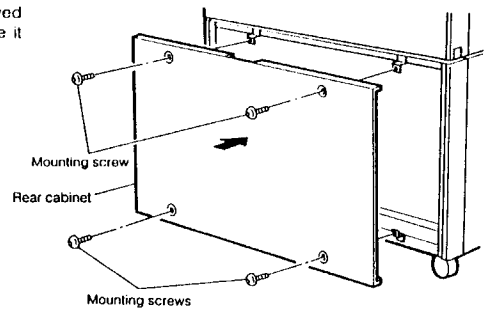


Lift-up unit installation position



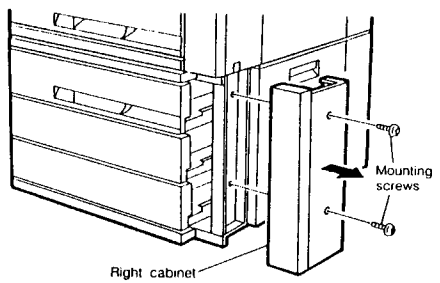
3 Remount the rear cabinet panel onto the desk.

Remount the rear cabinet panel which was removed in step 1 back in its original position and secure it with the four mounting screws.



4 Remove the right cabinet panel from the desk.

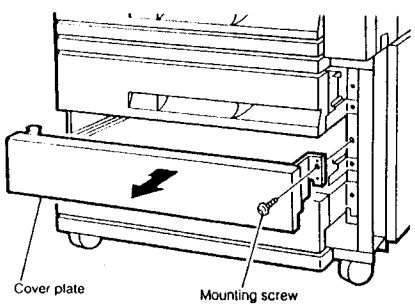
Remove the two mounting screws on the right cabinet panel and remove the right cabinet panel as shown.



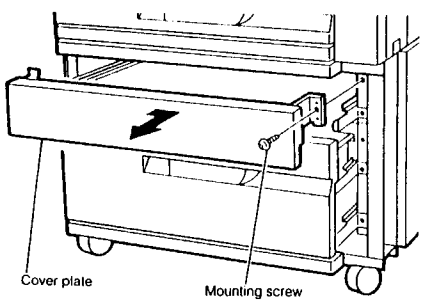
5 Remove the cover.

Remove the cover by removing the screw which secures it.

For the SF-D20

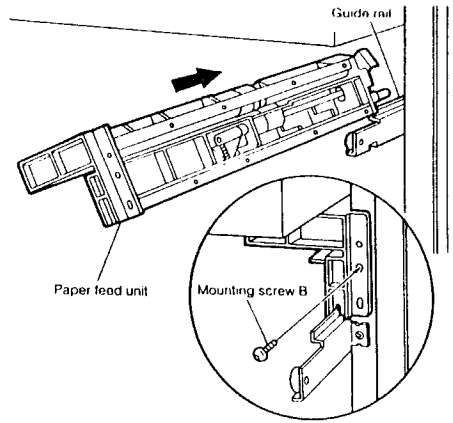


For the SF-D21



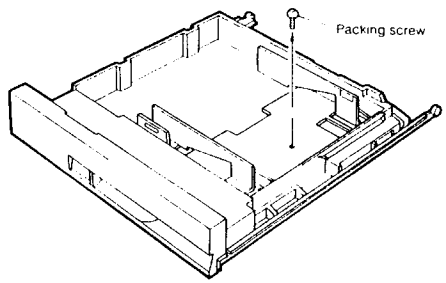
6 Install the paper feed unit.

Fit the groove in the paper feed unit into the guide rail, and then, while tilting the paper feed unit at an angle of approximately 30°, slide it all the way back as far as it will go.
Fit the paper feed unit into the positioning bosses (two locations) on the desk frame, and secure it with one mounting screw B.



7 Remove the packing screw from the paper cassette.

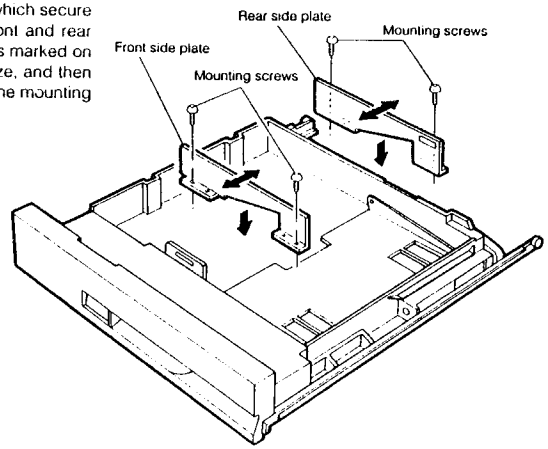
Remove the packing screw which secures the paper pressure plate inside the paper cassette.



The paper size is set to A4 for AB system and 8½" x 14" for inch system at the factory

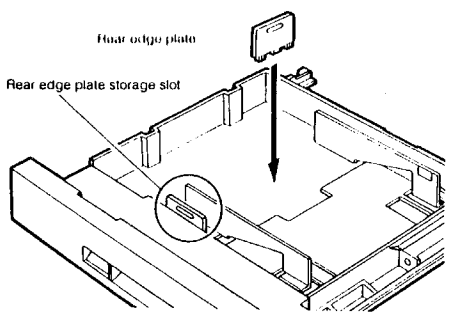
8 Change the positions of the front and rear side plates.

Remove the mounting screws (2 each) which secure the front and rear side plates, fit the front and rear side plates into the appropriate locations marked on the cassette to set the desired paper size, and then secure the side plates once again with the mounting screws (2 each).



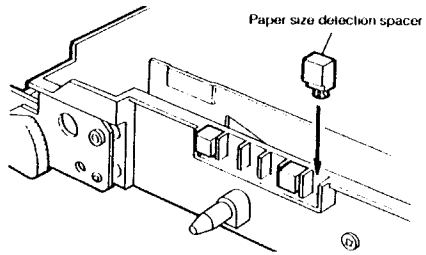
9 Position the rear edge plate.

Remove the rear edge plate from its storage slot and fit it into the cassette to set the desired paper size.
The rear edge plate is not needed to set the paper size to 11" x 17" (double letter size).



10 Set the paper size detection spacer.

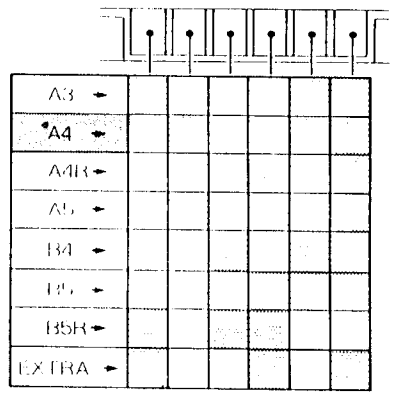
Change the position of the paper size detection spacer to match the desired paper size.



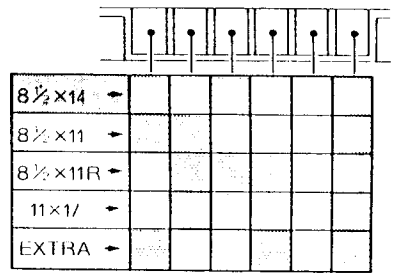
Example: A3 setting

Paper size detection spacer position diagram

AB system

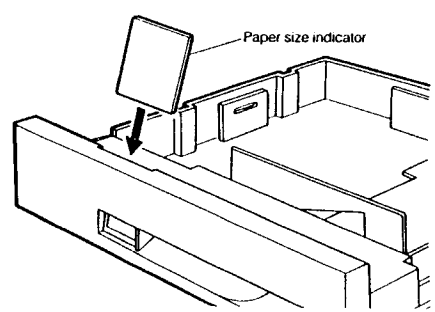


Inch system



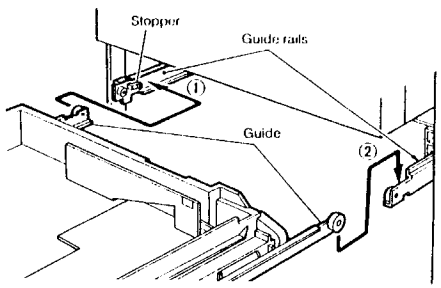
11 Change the paper size indicator.

Remove the paper size indicator and reinsert it to show the paper size for which the cassette has been set in the paper size indicator window.
Note that paper sizes are printed on both sides of the paper size indicator.



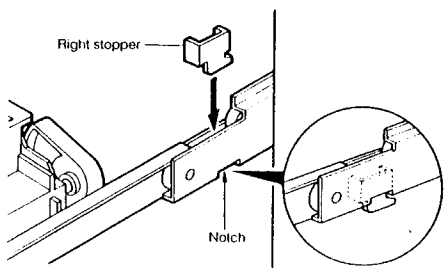
12 Fit the paper cassette guides into the guide rails.

Insert the paper cassette by fitting the guides of the paper cassette into the guide rails.
When doing this, insert the paper cassette all the way in so that the cassette's left guide roller goes past the stopper on the guide rail.



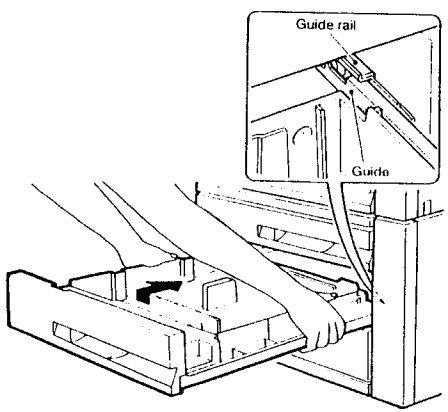
13 Mount the right stopper.

Fit the right stopper into the notch in front of the paper cassette's right guide roller as shown in the figure.
When doing this, confirm that the right side of the paper cassette is locked.



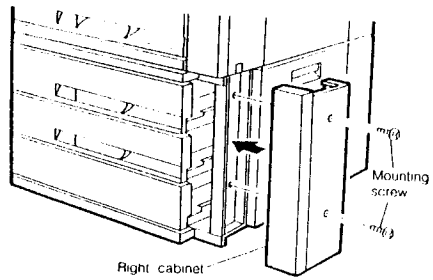
14 Install the paper cassette.

Lift the rear sides of the paper cassette and insert the right side of guide into the Copier by fitting it to the guide rail as shown in the figure. Make sure that the paper cassette slides smoothly.



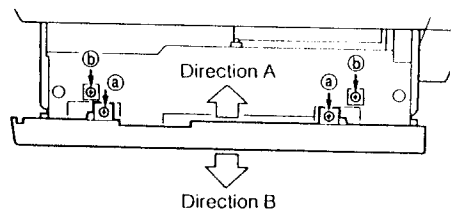
15 Remount the rigth cabinet panel onto the desk.

Remount the rigth cabinet panel which was removed in step 4 back in its original position and secure it with the two mounting screws.



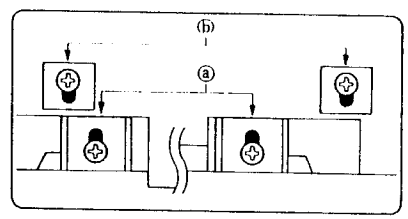
16 Adjust any center misalignment.

Make a copy, and if there is any center misalignment such as that shown in Fig. 1 or Fig. 2, loosen the four screws (indicated by the arrows) which secure the front cabinet panel.



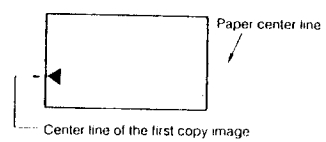
NOTE:
The mounting screws ⓐ and ⓑ will be in the symmetrical positions when they are tightened, as shown rigth.

(Reference figure)



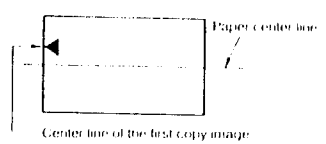
★ If misaligned as shown in Fig. 1
Move the front cabinet panel in direction A and retighten the two mounting screws ⓐ and then the other two screws ⓑ. Make another copy to confirm that the center is no longer misaligned.

Fig. 1

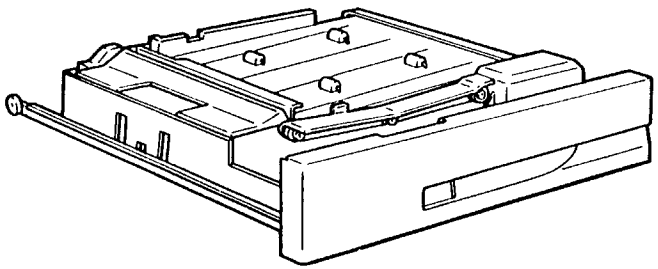


★ If misaligned as shown in Fig. 2
Move the front cabinet panel in direction B and retighten the two mounting screws ⓐ and then the other two screws ⓑ. Make another copy to confirm that the center is no longer misaligned.

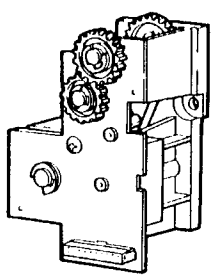
Fig. 2



(4) SF-DM11

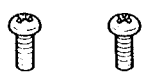


Parts included



ADU drive unit: 1 pc.

Right stopper: 1 pc.

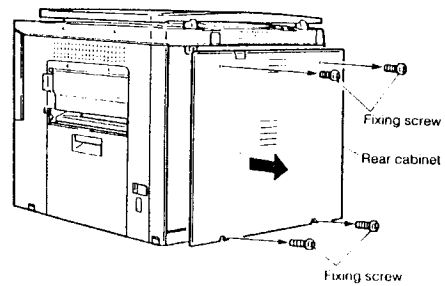


Fixing screw (M4 x 8): 2 pcs.

Before performing the following procedure, be sure to remove the power plug of the copier main unit.

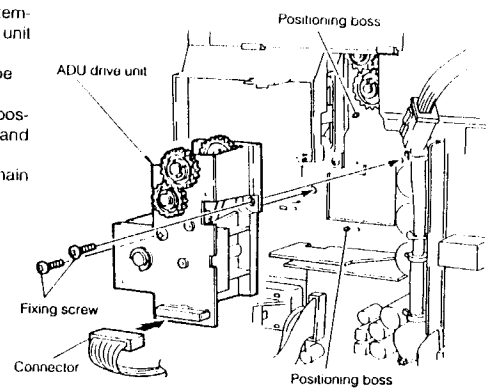
1 To remove the rear cabinet of the copier main unit.

Remove the four screws that fix the rear cabinet of the copier main unit and remove the rear cabinet.



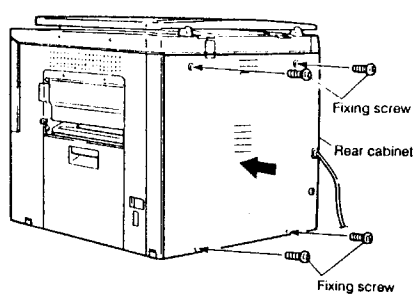
2 To install the ADU drive unit.

Remove the connector, that has been inserted temporarily to the connector near the copier main unit for connecting with ADU drive unit.
※ The removed temporary connector, it will not be used.
Install the ADU drive unit to the two positioning bosses on the rear frame of the copier main unit, and secure this with two fixing screws.
Then, connect the connector near the copier main unit, to that of the ADU drive unit.



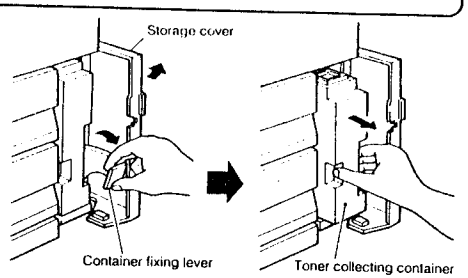
3 To install the rear cabinet of the copier main unit.

Reinstall the rear cabinet that has been removed in step 1 with four fixing screws.



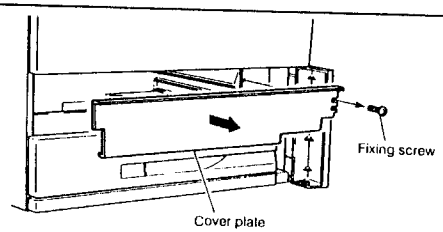
4 To remove the toner collecting container.

Open the storage cover for the toner collecting container, pull the container fixing lever to your side and remove the container.



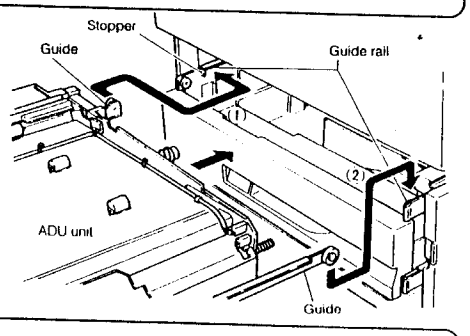
5 To remove the cover plate.

Remove the screw that fixes the cover plate and remove the cover plate.



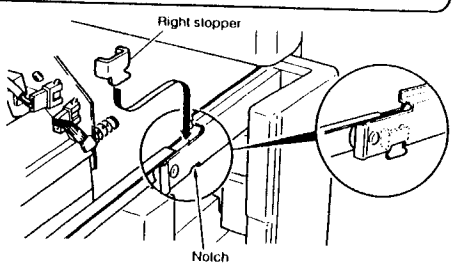
6 To install the ADU unit.

Install the ADU unit by inserting the guides to the guide rails.
At this time, the wheel for the left guide of the ADU unit should be behind the stopper on the left guide rail.



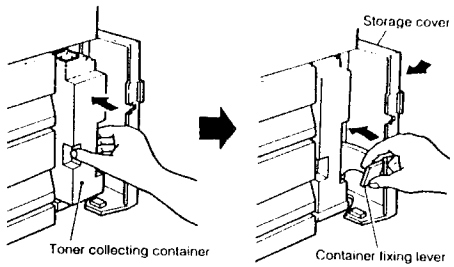
7 To install the right stopper.

Insert the right stopper into the notch before the wheel for the right guide of the ADU unit as shown in the figure.
At this time, ensure that the right side of the ADU unit is locked.
Then push the ADU unit to the innermost recess of the copier main unit.



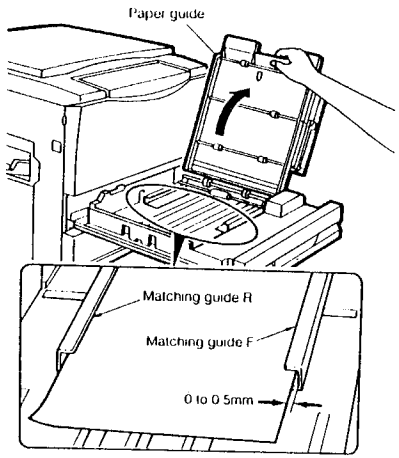
8 To install the toner collecting container.

Reinstall the toner collecting container that has been removed in step 4, restore the container fixing lever, and close the storage cover for the toner collecting container.



9 To check and adjust the matching guide.

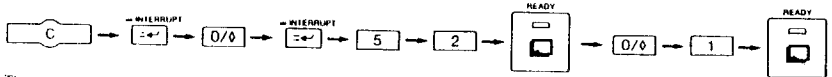
1. Mark a duplex copy.
2. Remove the duplex unit from the copier main unit, and open the paper guide.
3. Set the copy that has been made in step 1 or a sheet of the same size on the duplex tray. Align the paper to either alignment guide F, or R, to check the gap. Check to see if the gap between either of the alignment guides and the paper is from 0 to 0.5 mm.



When the matching guide is aligned properly, perform step 10 in the Installation Procedure.

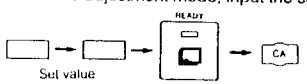
When the matching guide is not aligned properly, perform the following Procedure to adjust the matching guide.

A. Set the mode using the following key operation on the copier main unit:



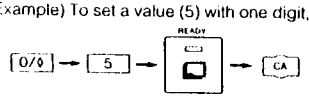
Then current set value is displayed

B. To set the adjustment mode, input the set value as shown below after the operation above:

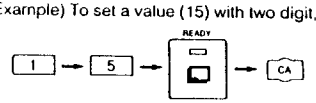


The mode is then set.

(Example) To set a value (5) with one digit, perform the following operation:



(Example) To set a value (15) with two digit, perform the following operation:



Changing the set value by (1) causes the matching guide width to move 0.5mm to 0.6mm.

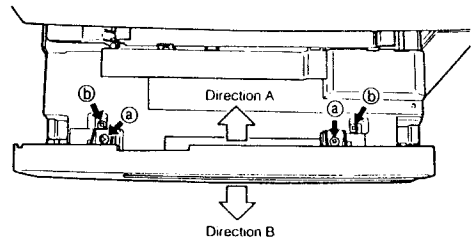
※ Criterion for changing set value 1 ← Factory setting value → 99

(Guide width becomes larger.) (Guide width becomes smaller.)

C. Perform the steps ① to ③ again to check the width.

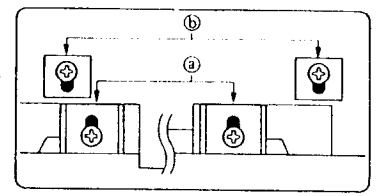
10 To adjust the center dislocation.

When copy result shows center dislocation as shown in Fig. 1 and Fig. 2, loosen the four screws (indicated by ↓) that fix the front cabinet.



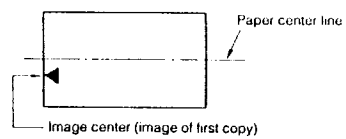
Caution:
When you fix the front cabinet, the gap between a fixing screw and the cabinet is symmetrical for the fixing screw sections ⓐ ⓑ.

(Reference drawing)



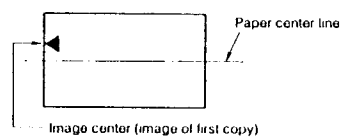
★ In case of Fig. 1
Move the front cabinet to the direction A, tighten the fixing screws ⓐ (2 pcs.) and ⓑ (2 pcs.) in this order, and make a copy again to check that there is no center dislocation.

Fig. 1

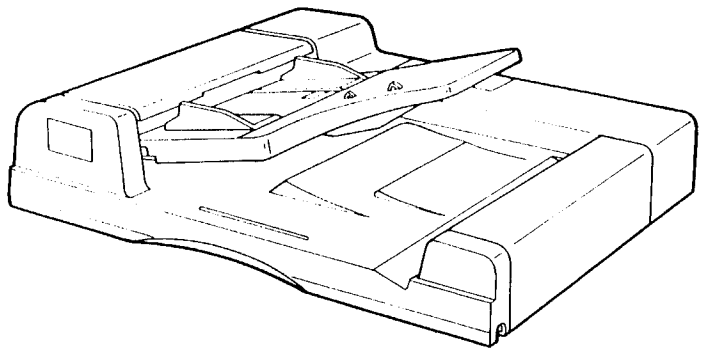


★ In case of Fig. 2
Move the front cabinet to the direction B, tighten the fixing screws ⓐ (2 pcs.) and ⓑ (2 pcs.) in this order, and make a copy again to check that there is no center dislocation.

Fig. 2

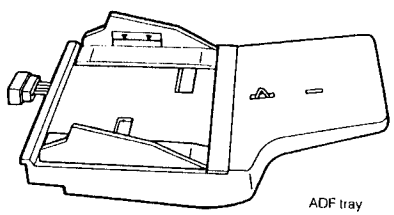


(5) SF-A54

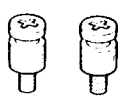


SF-A54

Parts list



ADF tray



ADF mounting screws (2 pcs.)

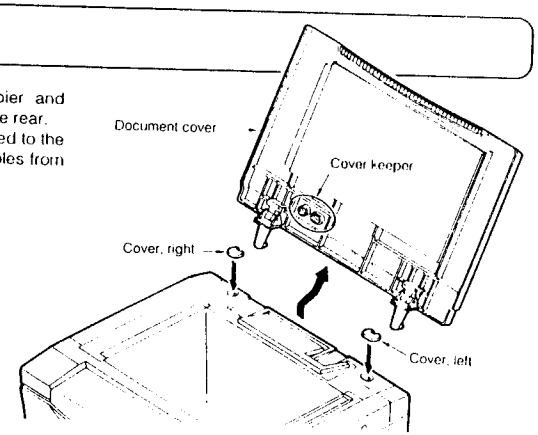
ADF securing screws (2 pcs.)

Bracket mounting screw (1 pc.)

Unplug the copier and follow the procedure below.

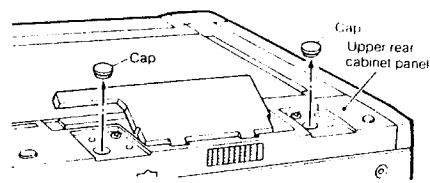
1 Remove the document cover.

Raise the document cover from the copier and remove it upward while pressing it toward the rear. Also remove the left and right covers attached to the document cover and place them into the holes from which the document cover was removed.

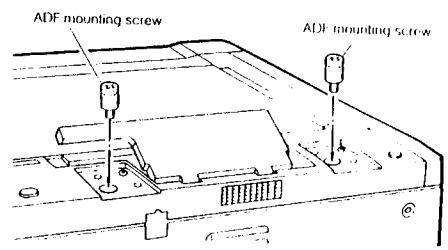


2 Mount the ADF onto the copier.

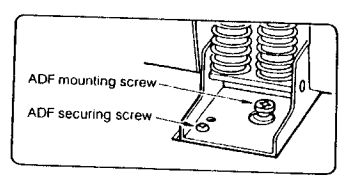
Remove the caps from the upper cabinet panel of the copier.

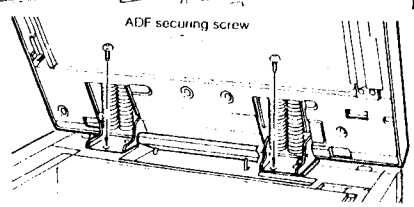


Install the two ADF mounting screws.



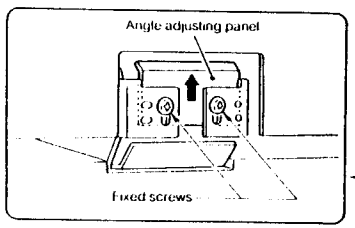
Fit the holes in the hinges of the ADF onto the ADF mounting screws and secure the ADF with the two ADF securing screws.

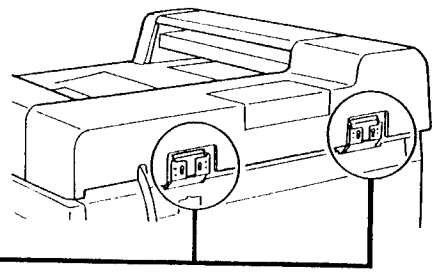




3 Adjust the angle of ADF.

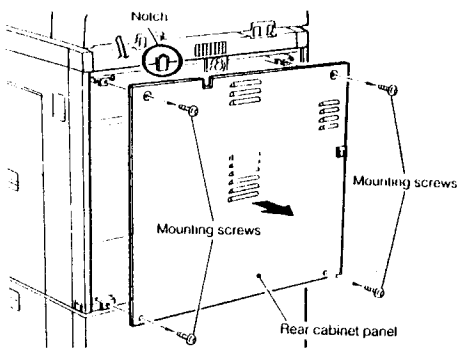
Loosen the two fixed screws for the angle adjusting panel which locate on the hinge angle and then fasten the loosened screws while raising the angle adjusting panel completely





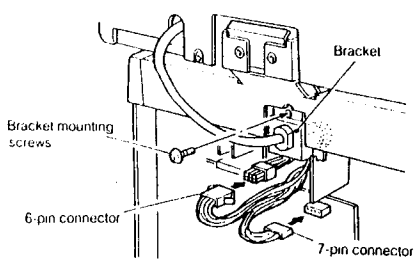
4 Remove the rear cabinet panel from the copier and cut out the notch in the cabinet panel.

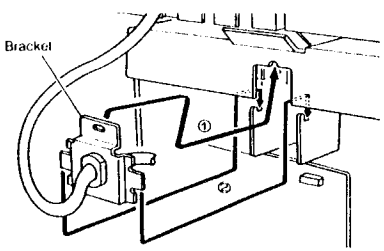
Remove the four screws which secure the rear cabinet panel of the copier to remove the rear cabinet panel.
Cut out the notch (one location) in the upper rear cabinet panel



5 Connect the ADF connectors.

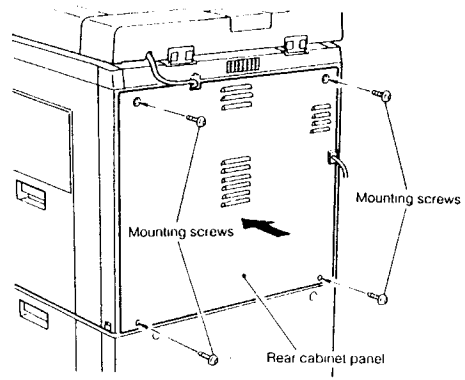
Use the bracket mounting screw to secure the bracket attached to the ADF harness to the frame of the copier, and connect the 6-pin and 7-pin ADF connectors to the copier.





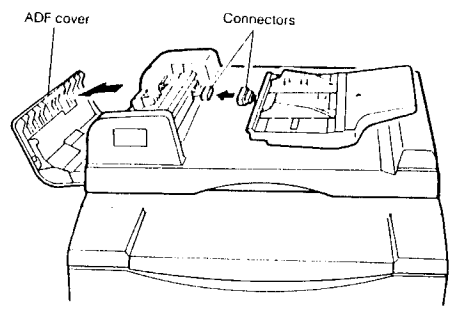
6 Reattach the rear cabinet panel.

Use the four mounting screws to reattach the rear cabinet panel removed in step (4) in its original position.



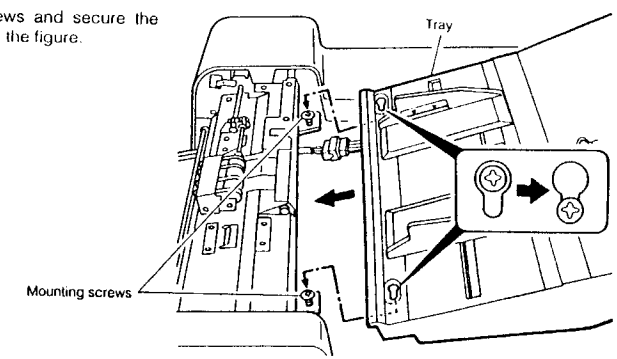
7 Connect the ADF tray connector.

Open the ADF cover and connect the ADF connector to the tray connector.



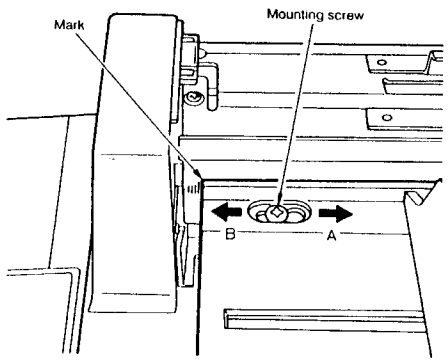
8 Affach the tray.

Loosen the two mounting screws and secure the tray with the screws as shown in the figure.
Close the ADF cover.



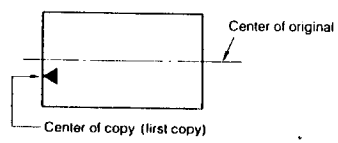
9 Adjust the center of the copy.

Set the original on the tray and make a copy. When the copy slips out of the center as Fig. 1 or Fig. 2, open the ADF cover, loosen the two mounting screws and adjust the tray to correct position.



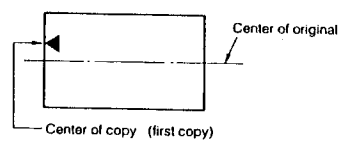
★ Fig. 1
Move the tray in the direction A and secure it with the two mounting screws. Make sure that it is centered properly.

Fig. 1



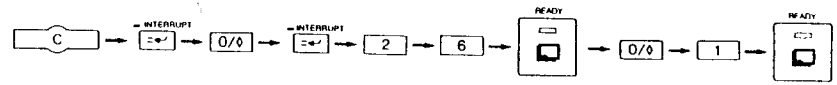
★ Fig. 2
Move the tray in the direction B and secure it with the two mounting screws. Make sure that it is centered properly.

Fig. 2



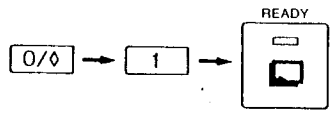
10 Set the mode.

Operate the keys on the copier to set the mode.

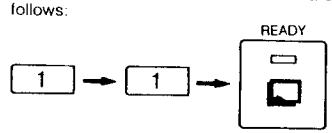


The above key operation will display the currently set mode.

If only the SF-A54 is to be set, immediately after the above key operation, operate the keys as follows:



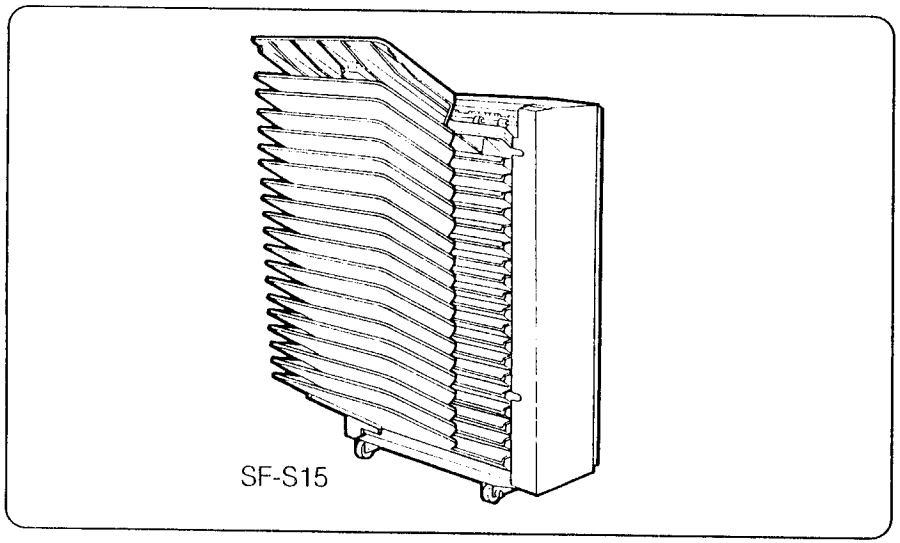
If the mode is to be set for a combination with other options, add up the total of the setting values for all the peripheral devices to be set from the table shown below, and set that total value.
For example, if the SF-A54 and SF-14 are to be set, the total setting value is 1 + 10 = 11. Operate the keys as follows:

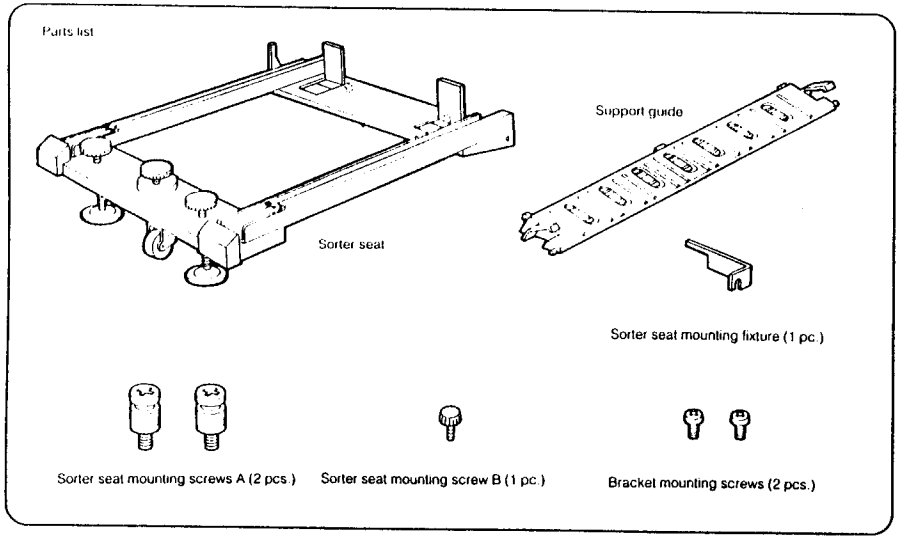


SF-A54	1	SF-D19	4	SF-S15	10
		SF-D19H	4	SF-S53	10

※ SF-A14 · SF-S52 will be available soon.

(6) SF-S15 (20-Bin Sorter)

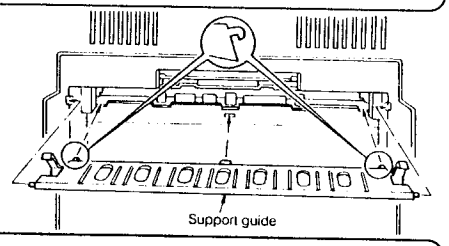



Parts list
Sorter seat
Support guide
Sorter seat mounting fixture (1 pc.)
Sorter seat mounting screws A (2 pcs.)
Sorter seat mounting screw B (1 pc.)
Bracket mounting screws (2 pcs.)

Unplug the copier and follow the procedure below.

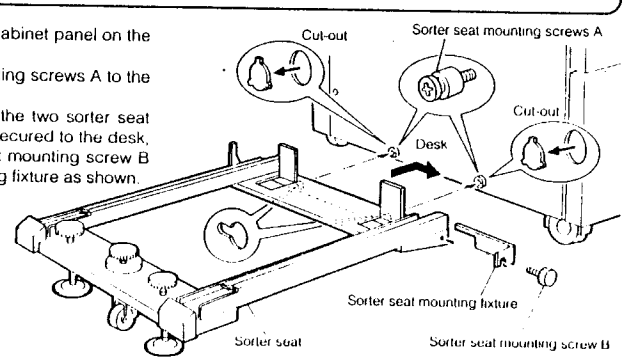
1 Install the support guide.

Hook the pawls (two locations) of the support guide to the inside of the copier paper exit end to install the guide as shown in Fig.



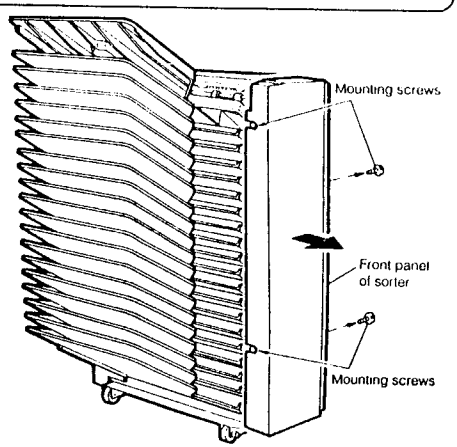
2 Mount the sorter seat to the desk.

Remove the two cut-outs in the cabinet panel on the left side of the desk.
Secure the two sorter seat mounting screws A to the desk.
Next, hook the sorter seat onto the two sorter seat mounting screws A which were secured to the desk, and then use the one sorter seat mounting screw B to secure the sorter seat mounting fixture as shown.



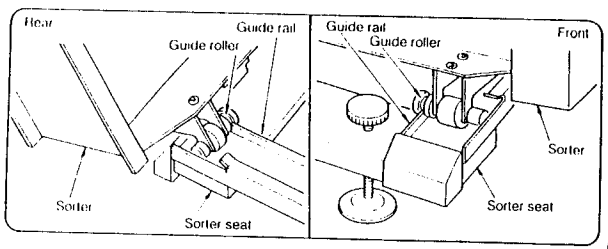
3 Remove the front panel of the sorter.

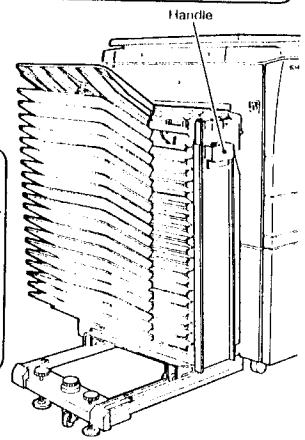
Loosen the four mounting screws in the front panel of the sorter and remove the panel.



4 Place the sorter on the sorter seat.

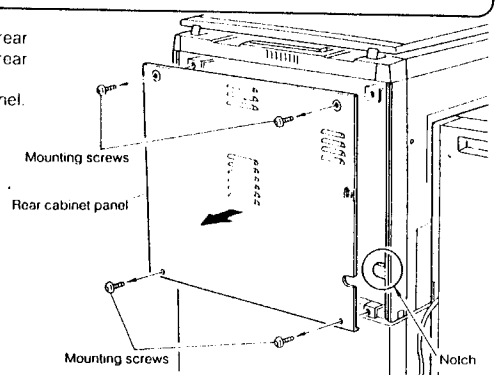
While holding the handle, place the sorter on the sorter seat's guide rails and push it gently as far back as it will go.
When doing this, confirm that the rollers at the front of the sorter are correctly seated on the sorter seat.





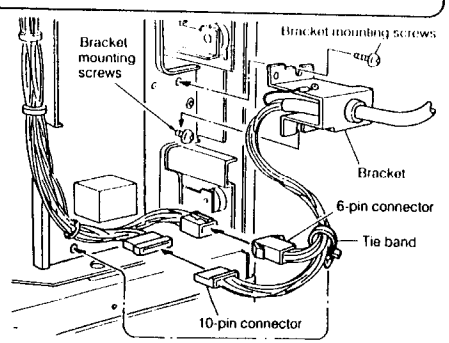
5 Remove the rear cabinet panel from the copier and cut out the notch in the cabinet panel.

Remove the four screws which secure the rear cabinet panel of the copier to remove the rear cabinet panel.
Cut out the notch (one location) in the cabinet panel.



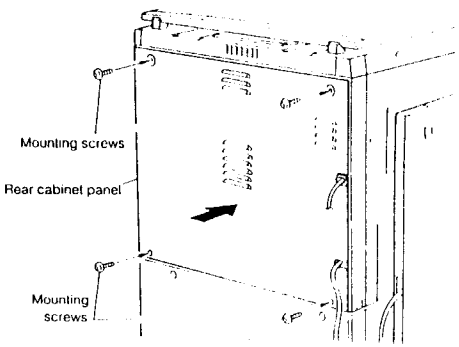
6 Connect the sorter connectors.

Use the two bracket mounting screws to secure the bracket attached to the sorter harness to the frame of the copier. Connect the 6-pin and 10-pin sorter connectors to the 6-pin and 10-pin connectors of the copier and insert the tie band into the hole under the board installation part.



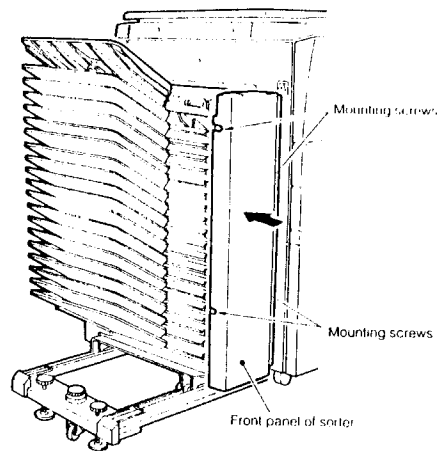
7 Reattach the rear cabinet panel.

Use the four mounting screws to reattach the rear cabinet panel removed in step (4) in its original position.



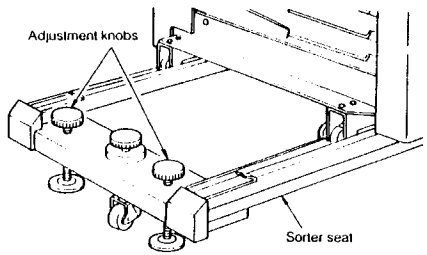
8 Reattach the front panel of the sorter.

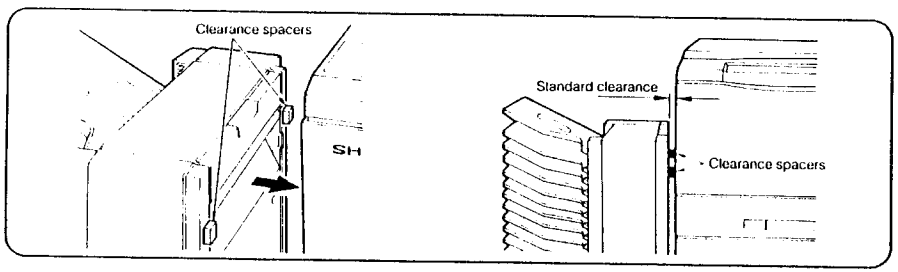
Use the four mounting screws to reattach the front panel of the sorter removed in step (3) in its original position.



9 Adjust the clearance between the sorter and the copier.

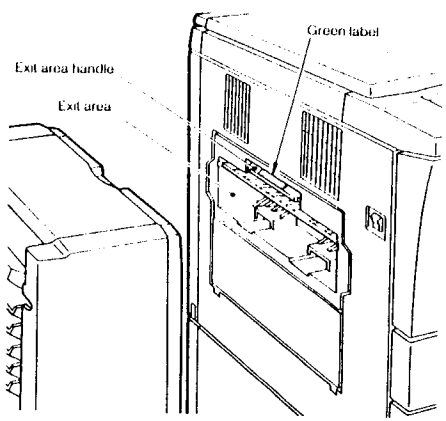
Push the sorter gently against the copier's left cabinet panel. The clearance spacers attached to the back of the sorter will determine the standard clearance between the sorter and the copier. Turn the adjustment knobs on the sorter seat to adjust the clearance so that the spacers are touching the copier.
After adjusting the clearance, remove the clearance spacers.





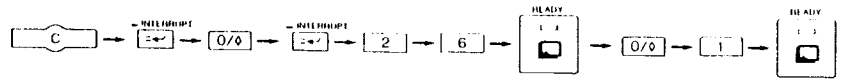
10 Attach the label.

Attach the green label supplied with the installation manual onto the exit area handle.



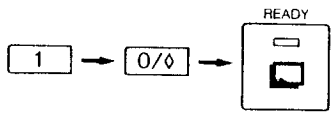
11 Set the mode.

Operate the keys on the copier to set the mode.

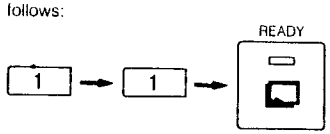


The above key operation will display the currently set mode.

If only the SF-S15 is to be set, immediately after the above key operation, operate the keys as follows:

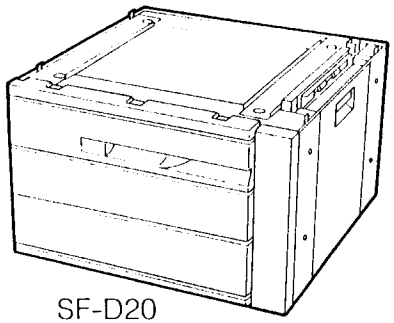


If the mode is to be set for a combination with other options, add up the total of the setting values for all the peripheral devices to be set from the table shown below, and set that total value.
For example, if the SF-S15 and SF-A54 are to be set, the total setting value is 10 + 1 = 11. Operate the keys as follows:

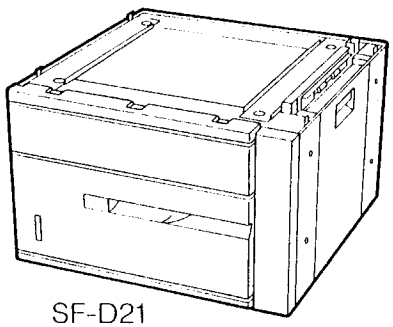


SF-A54	1	SF-D19	4	SF-S15	10
		SF-D19H	4	SF-S53	10

(7) SF-D20/SF-D21



SF-D20



SF-D21

★ For installation of SF-D20: pages 1 ~ 7

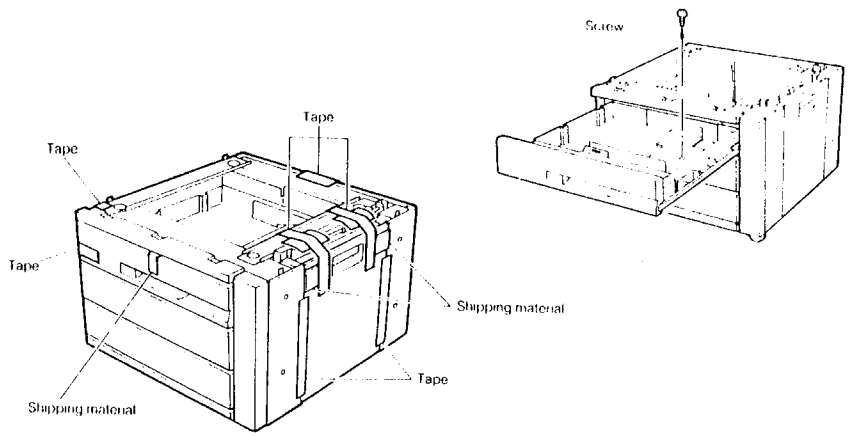
★ For installation of SF-D21: pages 1 ~ 3 and 8 ~ 11

Included parts

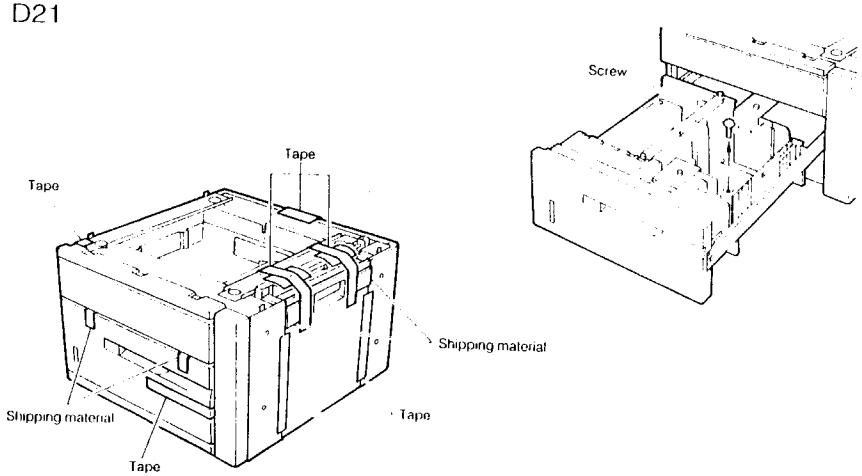
Mounting screws: 4

Before installation, remove all of the screws, tape, and shipping material as shown below.

D20



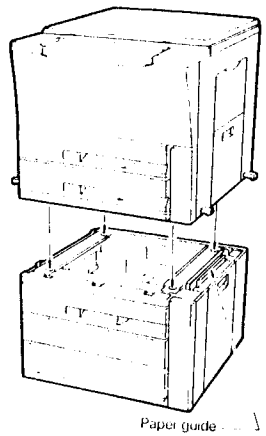
D21



Be sure to unplug the copier before carrying out the following procedures.

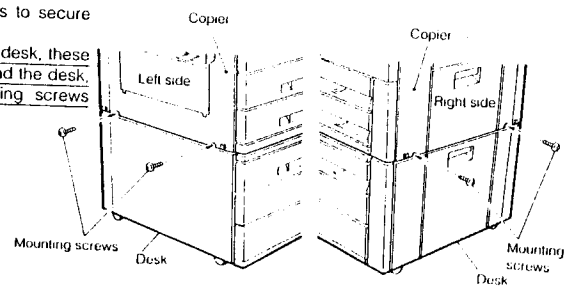
1 Place the copier on the desk.

Place the copier on the desk so that the feet of the copier fit into the corresponding holes in the desk. When doing this, be careful that the copier does not come to rest on the paper guide or other parts of the desk that might be damaged by the weight of the copier.



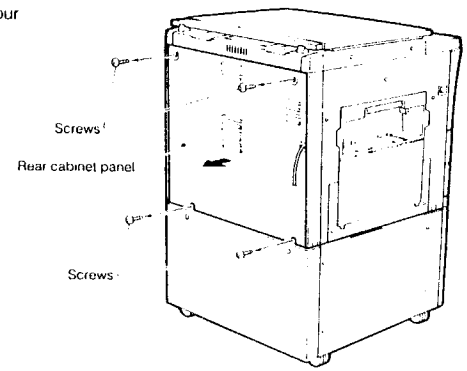
2 Secure the copier to the desk.

Use the included four mounting screws to secure the copier to the desk.
In addition to securing the copier to the desk, these screws also function to electrically ground the desk, so be sure to tighten all four mounting screws securely.



3 Remove the rear cabinet panel from the copier.

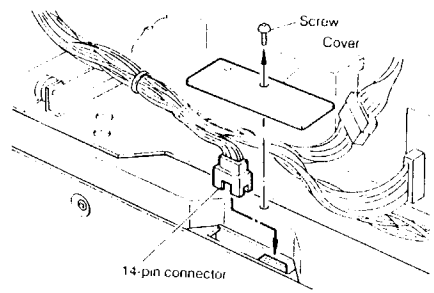
Remove the rear cabinet panel by removing the four screws which secure it to the copier.



4 Connect the desk relay harness.

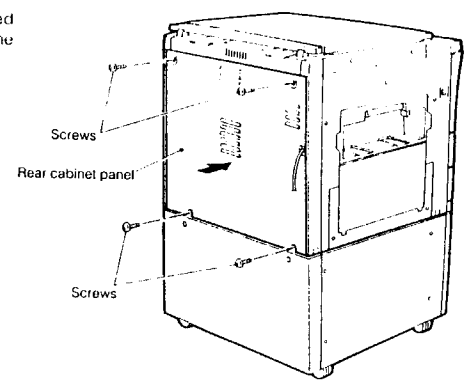
Remove the screw which secures the cover of the connector access hole in order to remove the cover. Next, remove the temporary connector which is attached to the 14-pin connector of the desk relay harness, and connect the 14-pin connector to the connector on the desk.

- Note that the temporary connector will no longer be used.



5 Remount the rear cabinet panel onto the copier.

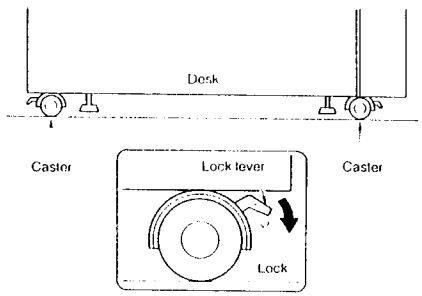
Remount the rear cabinet panel which was removed in Step 3 in its original position and secure it with the four screws.



6 Move the copier to the desired installation location.

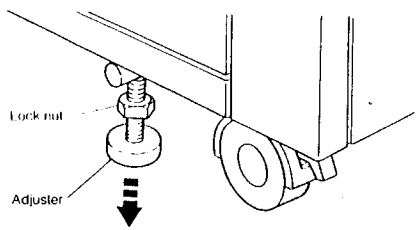
7 Lock the casters.

Move the lock levers of the two casters (one each left and right) at the front side of the desk downward in the direction indicated by the arrow in order to lock the casters.



8 Lower the adjuster to secure the desk in place.

Use pliers or a wrench to loosen the lock nut of the adjuster, and then turn the adjuster to lower it to the floor in order to secure the desk in place.
After lowering the adjuster, re-tighten the lock nut all the way up as far as it will go in order to lock the adjuster.

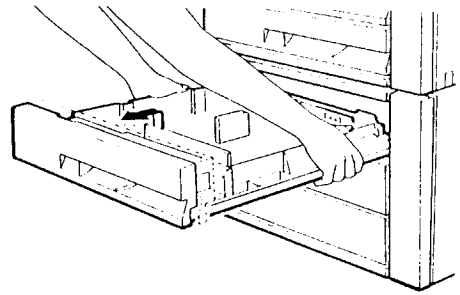


★ For the SF-D20

(The initial paper size setting is A4R for the AB system and 8 1/2 x 11R for the inch system.)

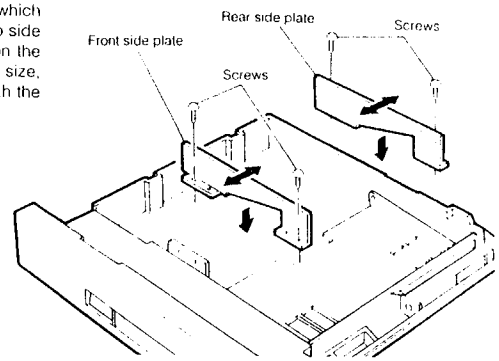
9 Pull out the paper cassette.

Lift up on the handle on the paper cassette and pull the cassette out from the desk until it stops, and then lift up on both sides of the back of the cassette in order to pull it all the way out of the desk.



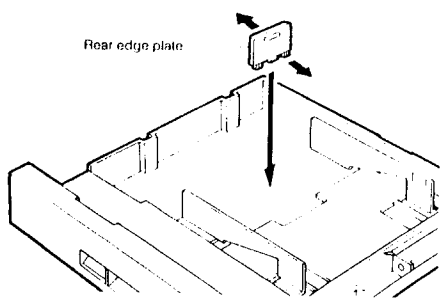
10 Adjust the positions of the front and rear side plates.

Remove the mounting screws (two each) which secure the front and rear side plates, fit the two side plates into the appropriate positions marked on the cassette corresponding to the desired paper size, and then secure the side plates once again with the mounting screws (two each).



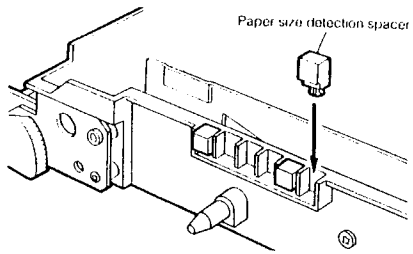
11 Adjust the position of the rear edge plate.

Remove the rear edge plate and fit it into the cassette at the position corresponding to the desired paper size.



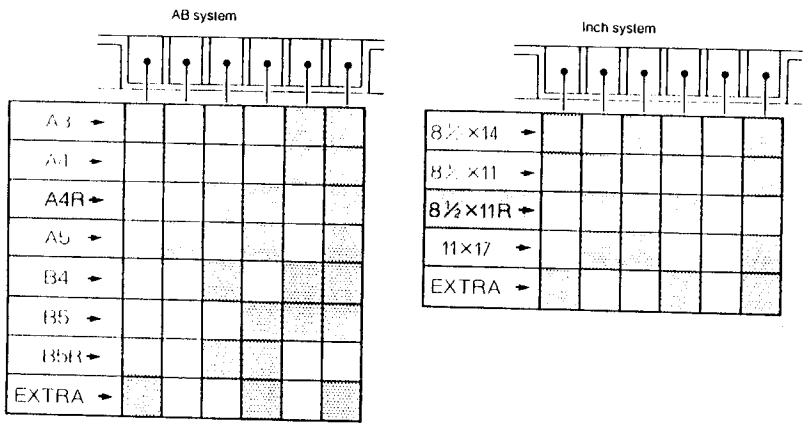
12 Set the paper size detection spacer.

Change the position of the paper size detection spacer to the position corresponding to the desired paper size.



(Example: Position for A3 size paper)

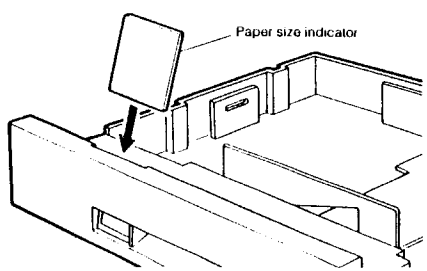
Paper size detection spacer position diagram



13 Change the paper size indicator.

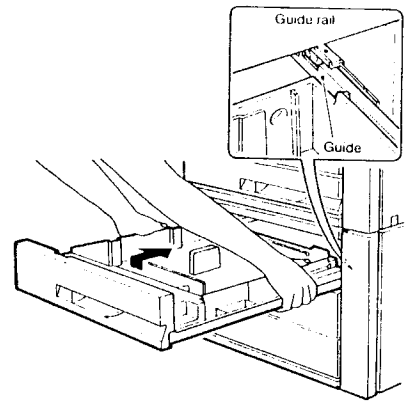
Remove the paper size indicator and re-insert it so that the paper size for which the cassette has been set is visible in the paper size indication window.

Note that paper size indications are printed on both sides of the paper size indicator.



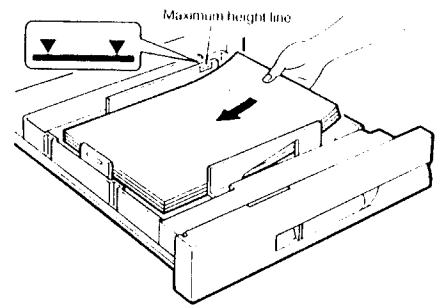
14 Re-insert the paper cassette.

Lift up on both sides of the back of the paper cassette and, while aligning the right guide on the cassette with the guide rail as shown in the figure, push the cassette into the desk along the guide rails.
After doing this, confirm that the cassette moves in and out smoothly.



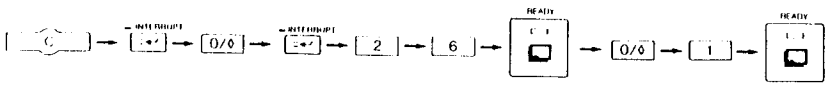
15 Place the paper in the cassette.

Place the paper in the paper cassette.
When doing this, do not stack the paper higher than the maximum height line indicated on the cassette.
Next, push the cassette all the way into the desk as far as it will go.



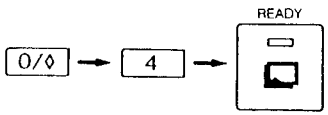
16 Set the mode.

- Operate the keys on the copier to set the mode.



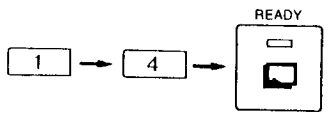
The above sequence of key operations will display the current setting value.

- If only the SF-D20 is being set, immediately after the above key operation sequence, perform the following key operation sequence to set the mode.



- If the mode is to be set for a combination of optional equipment, add together the setting values shown in the table below for each peripheral device, and set the mode to the total setting value.

For example, to set the mode for a combination of the SF-D20 and the SF-S14, the total setting value is 4 + 10 = 14, so the key operation sequence is as follows.



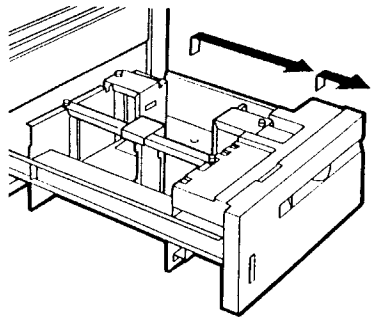
SF-A54	1	SF-D19	4	SF-S15	10
		SF-D19H	4	SF-S53	10

★ For the SF-D21

(The initial paper size setting is A4 for the AB system and 8 1/2 x 11 for the inch system.)

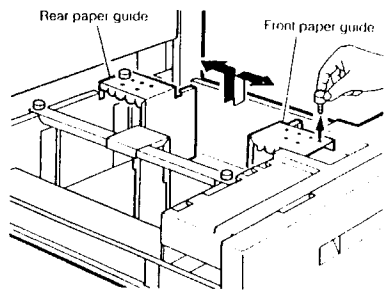
17 Pull out the large-capacity paper cassette.

Lift up on the handle on the paper cassette and pull the cassette out from the desk until it stops (the paper loading position), and then lift up on the casette handle once again and pull the cassette all the way out of the desk.



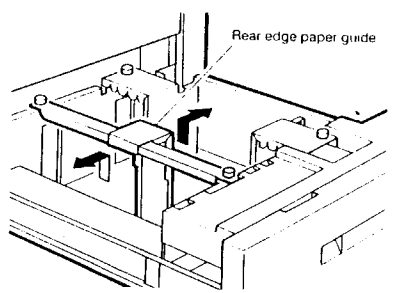
18 Adjust the positions of the front and rear paper guides.

Remove the mounting screws which secure the front and rear paper guides, fit the two paper guides into the appropriate positions corresponding to the desired paper size, and then also secure the mounting screws into the holes corresponding to the desired paper size.



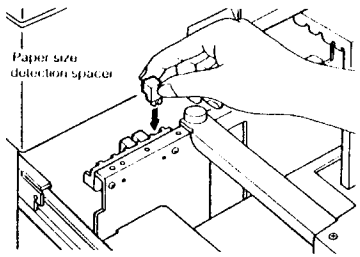
19 Adjust the position of the rear edge paper guide.

Loosen the two screws which secure the rear edge paper guide until it becomes possible to move the paper guide.
Next, fit the rear edge paper guide into the appropriate position corresponding to the desired paper size, and then also secure the two mounting screws into the holes corresponding to the desired paper size.



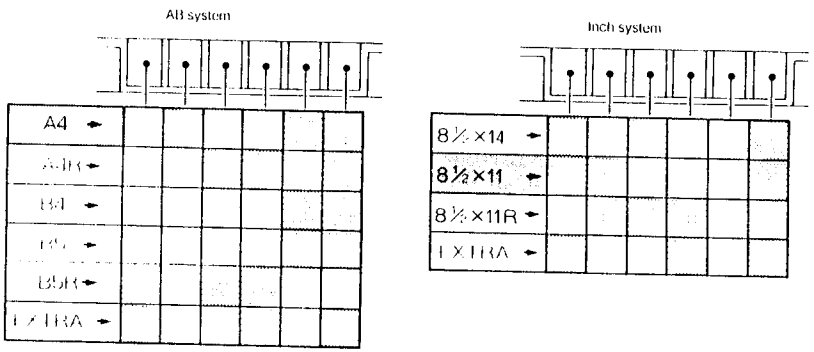
20 Set the paper size detection spacer.

Change the position of the paper size detection spacer to the position corresponding to the desired paper size.



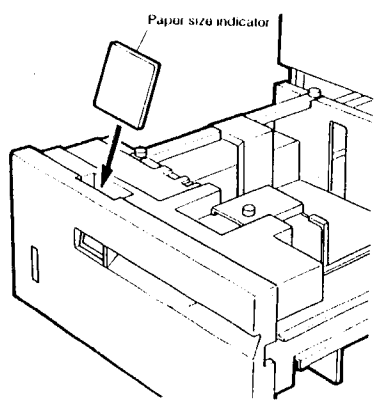
(Example: Position for A3 size paper)

Paper size detection spacer position diagrams



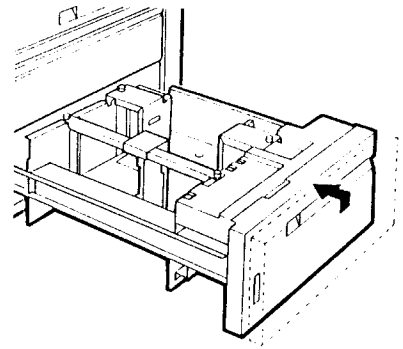
21 Change the paper size indicator.

Remove the paper size indicator and re-insert it so that the paper size for which the cassette has been set is visible in the paper size indication window.
Note that paper size indications are printed on both sides of the paper size indicator.



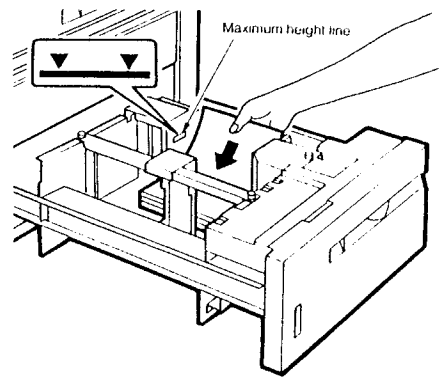
22 Re-insert the large-capacity paper cassette.

Lift up on the handle of the large-capacity paper cassette and re-insert in as far as the paper loading position.



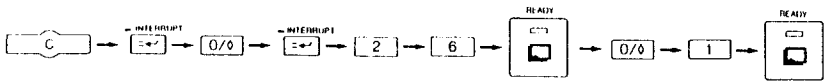
23 Place the paper in the cassette.

Place the paper in the paper cassette.
When doing this, do not stack the paper higher than the maximum height line indicated on the cassette.
Next, push the cassette all the way into the desk as far as it will go.



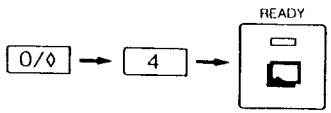
24 Set the mode.

- Operate the keys on the copier to set the mode.



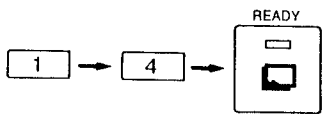
The above sequence of key operations will display the current setting value.

- If only the SF-D21 is being set, immediately after the above key operation sequence, perform the following key operation sequence to set the mode.



- If the mode is to be set for a combination of optional equipment, add together the setting values shown in the table below for each peripheral device, and set the mode to the total setting value.

For example, to set the mode for a combination of the SF-D21 and the SF-S14, the total setting value is 4 + 10 = 14, so the key operation sequence is as follows.

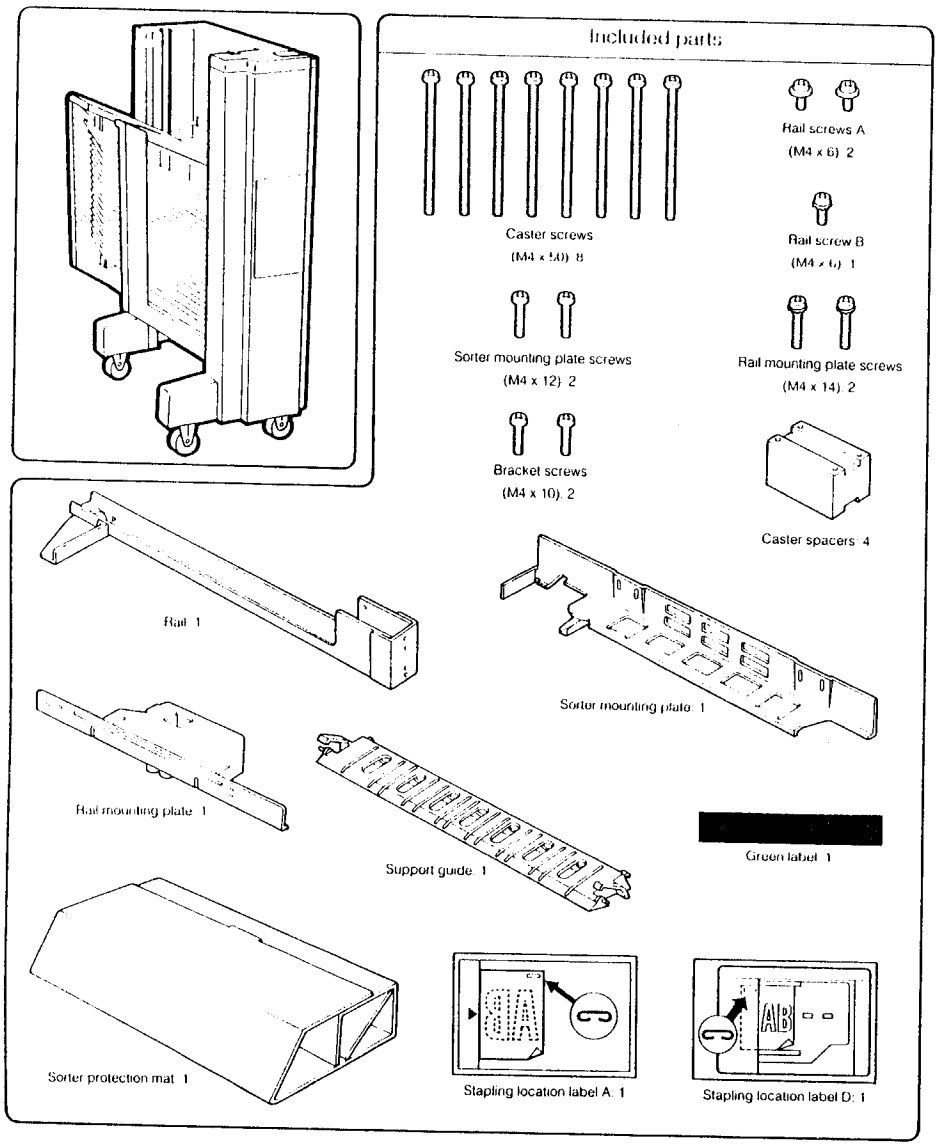


SF-A54	1

SF-D19	4
SF-D19H	4

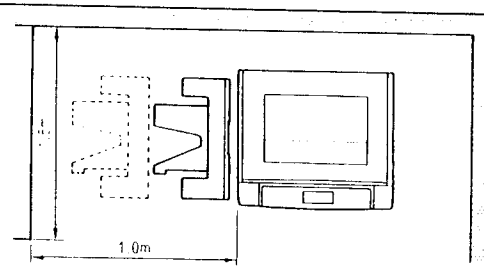
SF-S15	10
SF-S53	10

(8) SF-S53


Included parts
Caster screws (M4 x 50): 8
Rail screws A (M4 x 6): 2
Rail screw B (M4 x 6): 1
Sorter mounting plate screws (M4 x 12): 2
Rail mounting plate screws (M4 x 14): 2
Bracket screws (M4 x 10): 2
Caster spacers: 4
Rail: 1
Sorter mounting plate: 1
Rail mounting plate: 1
Support guide: 1
Green label: 1
Sorter protection mat: 1
Stapling location label A: 1
Stapling location label D: 1

Before installing

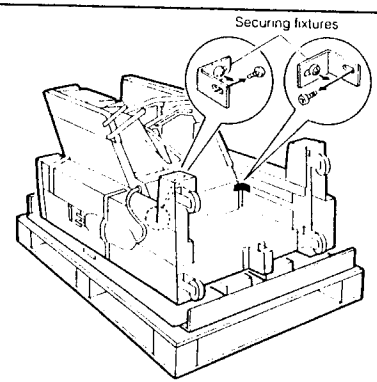
Be sure that you have plenty of room around the copier for work space.



Remove the securing fixtures and attach the caster spacers.

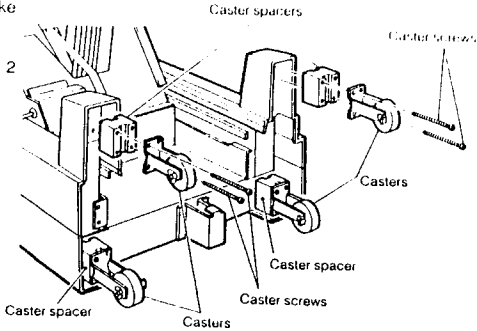
★ When performed on the skid.

Remove the securing fixtures (2).



Remove the caster screws (2 per caster) and take off the 4 casters.

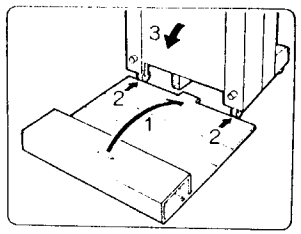
Next, attach the casters and caster spacers using 2 screws each (M4 x 50) as shown in the figure.

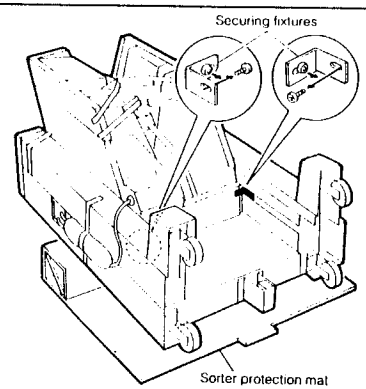


★ When not performed on the skid

Open the sorter protection mat, as shown in the figure, and position it against the sorter's casters. Lay the sorter down on the protection mat.

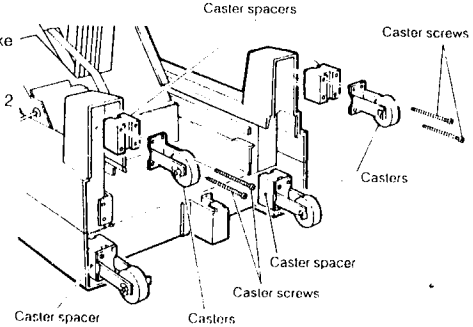
Next, remove the securing fixtures (2)



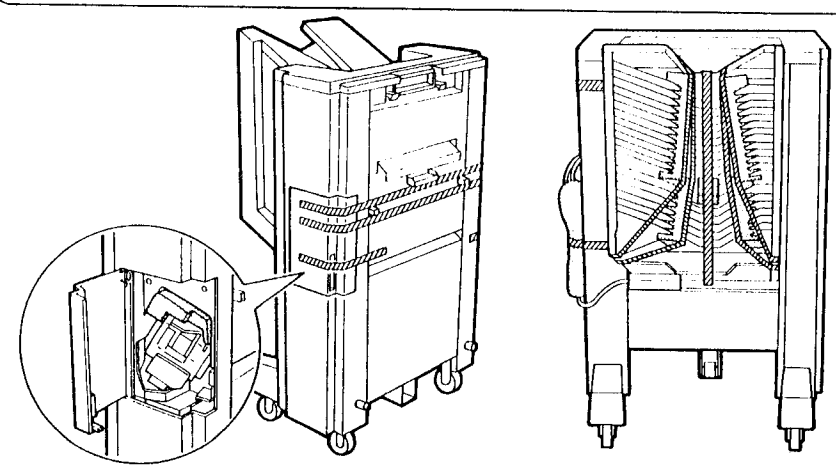


Remove the caster screws (2 per caster) and take off the 4 casters.

Next, attach the casters and caster spacers using 2 screws each (M4 x 50) as shown in the figure



Remove all the securing tape (▨) and securing materials (□) shown in the figures below.



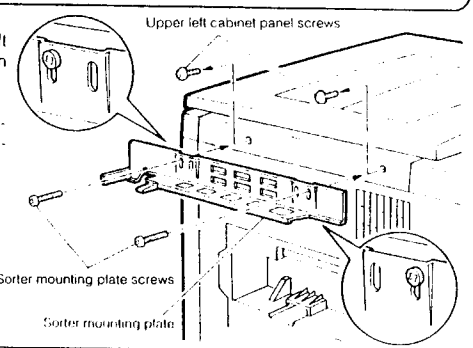
Unplug the copier's power cord before carrying out the following procedure.

A. Mounting of the staple sorter onto the copier.

1 Attach the sorter mounting plate.

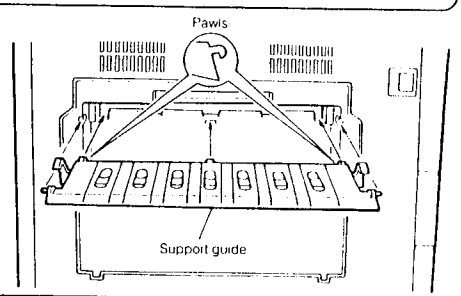
Remove the screws (2) from the copier's upper left cabinet panel. Attach the sorter mounting plate with the 2 sorter mounting plate screws (M4 x 12).

The sorter mounting plate screw holes are elongated; tighten the screws so that the sorter mounting plate hangs down in its lowest position.



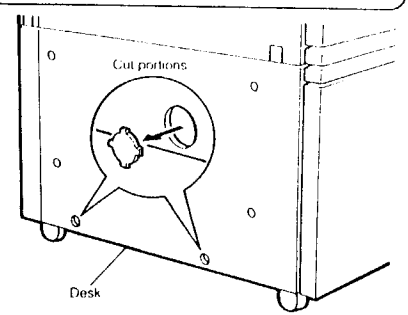
2 Attach the support guide.

Attach the support guide by attaching its pawls (2 locations) to the inside of the copier's paper output section.



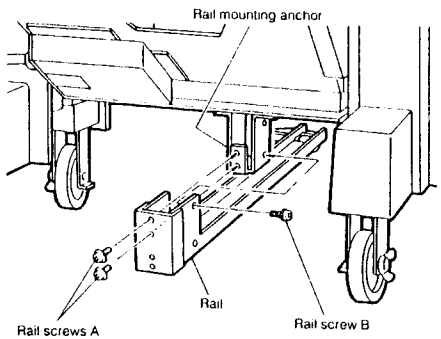
3 Cut off the cut portions of the the desk's left cabinet panel.

Cut off the 2 cut portions of the desk's left cabinet panel.



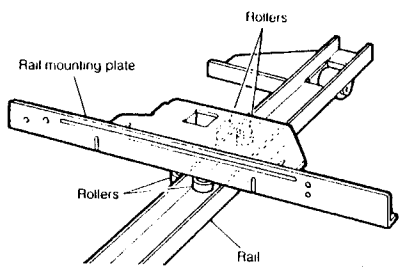
4 Attach the rail to the sorter.

Insert the rail into the rail mounting anchor, on the bottom of the sorter, and attach them with the 2 rail screws A (M4 x 6) and 1 rail screw B (M4 x 6).



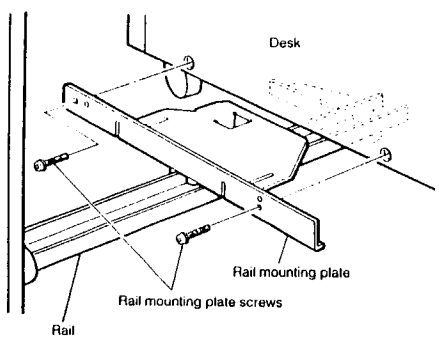
5 Fit the rail mounting plate onto the rail.

Insert the rail between the rollers on the rail mounting plate as shown in the figure.



6 Attach the rail mounting plate to the copier desk.

Slide the rail, which was just attached to the sorter, under the copier desk as shown in the figure. Attach the rail mounting plate to the copier desk with the 2 rail mounting plate screws (M4 x 14).

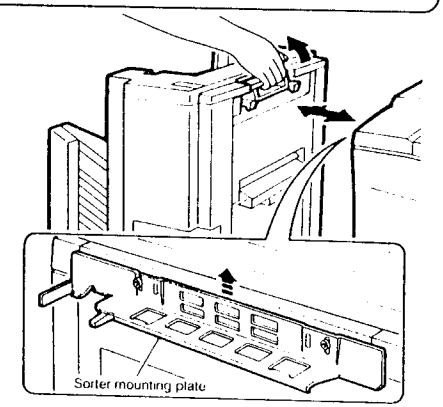


7 Confirm that the staple sorter can be attached and detached correctly.

① Latch and unlatch the staple sorter from the copier to confirm that it moves smoothly.

② Confirm that the staple sorter locks into place beside the copier.

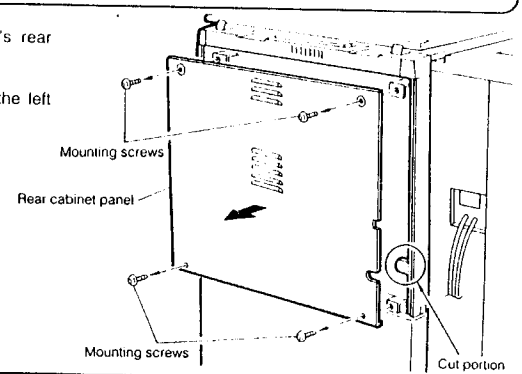
If not, adjust the height of the sorter mounting plate until the staple sorter locks securely into place.



8 Remove the copier's rear cabinet panel and cut off the cut portion of the left cabinet.

Remove the 4 screws securing the copier's rear cabinet panel and take the panel off.

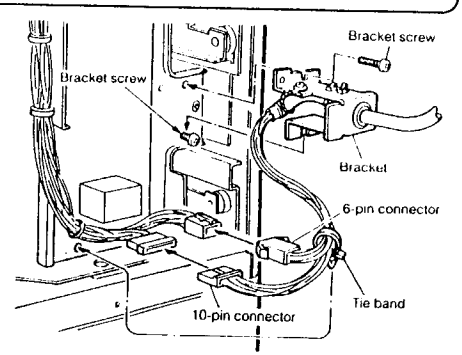
Next, cut off the cut portion (1 location) of the left cabinet panel.



9 Attach the sorter connectors.

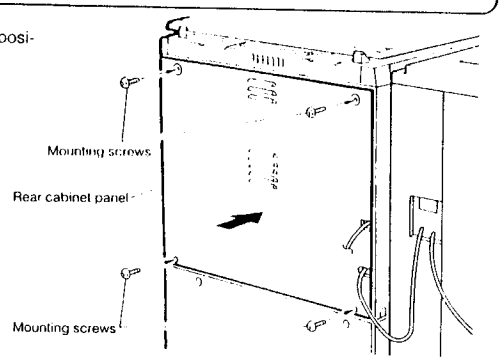
Loosely screw in 1 of the 2 supplied bracket screws as shown in the figure. Hook the bracket in place over this screw, then insert the remaining bracket screw and tighten both screws securely.

Next, connect the sorter's 6-pin and 10-pin connectors to the copier's 6-pin and 10-pin connectors. Then insert the the clasp of the tie band into the hole on the bottom of the installation board.



10 Reattach the rear cabinet panel.

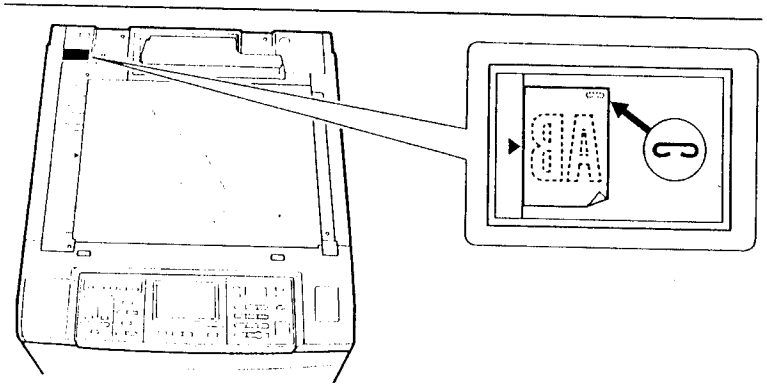
Reattach the rear cabinet panel in its original position with the 4 mounting screws.



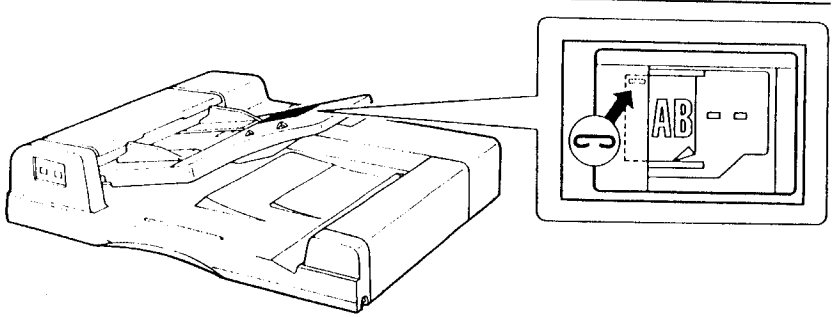
11 Affix the stapling location labels.

Affix the stapling location labels to the copier and RADF (SF-A54) as shown in the figure.

★ Copier



★ RADF (SF-A54)

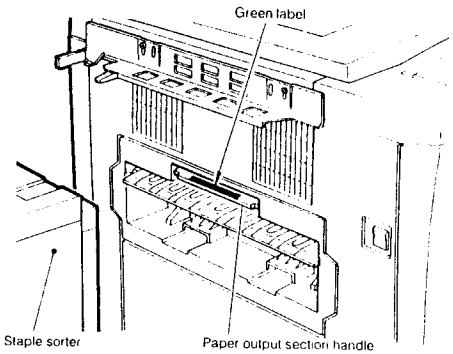


12 Affix the green label.

Lifting up on the staple sorter's release lever, separate the sorter from the copier.

Next, affix the green label to the paper output section handle as shown in the figure.

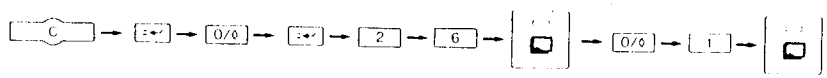
Holding the staple sorter's release lever, return the sorter to its original position. At this time, confirm that the staple sorter locks securely into place beside the copier.



Plug the copier's power cord into an electric outlet, switch on the power, and then perform the following procedure.

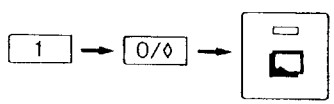
13 Set the mode.

- Perform the following key operations on the copier to set the mode.



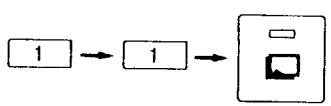
Performing the above operation will cause the current setting to be displayed.

- If only the SF-S53 is being set, continue by performing the following key operation to complete the mode setting.



- If the mode is being set for a combination of options, add up the numerical values of the options to be set (see the table below) and input the total sum.

Example: When setting SF-S53 and SF-A54, the total sum of their values is 11 (1 + 10). Therefore, perform the following key operations.



SF-A54	1

SF-D20	4
SF-D21	4

SF-S15	10
SF-S53	10

B. Staple sorter operation check

1 Check the sort mode.

Make 20 copies in the sort mode and confirm that the copies are distributed to the sort bins with no abnormal noises from the sorter.

2 Check the non-sort mode.

Make copies in the non-sort mode and confirm that they are sent to the non-sort bin.

3 Use the ADF (automatic document feeder) and check the staple sort mode.

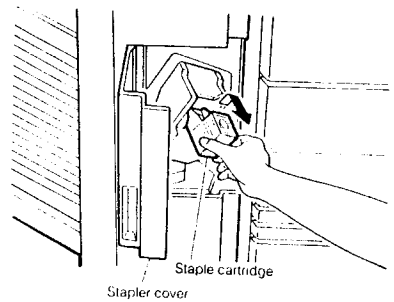
Place 2 or more sheets in the ADF and make copies in the staple sort mode. Confirm that the copies are distributed to the sort bins, that the staple guide bar arranges the copies and that the staple functions properly.

If at this time the copies have not been stapled or the stapler is jammed, adjust the staples by performing one of the following procedures.

If copies have not been stapled

1 Remove the staple cartridge.

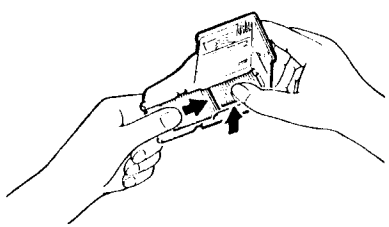
Open the staple cover, lift up on the staple cartridge and remove it by pulling in the direction of the arrow.



2 Check the staple cartridge.

Confirm that the sheets of staples in the cartridge are properly stacked.

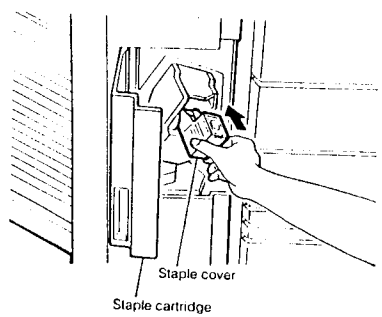
If not, slide the staples back in the direction of the arrow while pressing in gently on the bottom of the cartridge.



3 Reinsert the staple cartridge.

Push the staple cartridge in horizontally until it clicks securely into place.

Then close the staple cover.

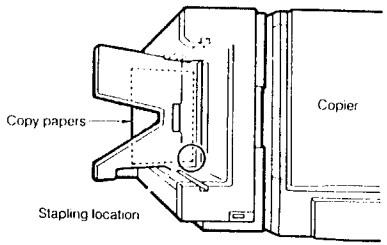


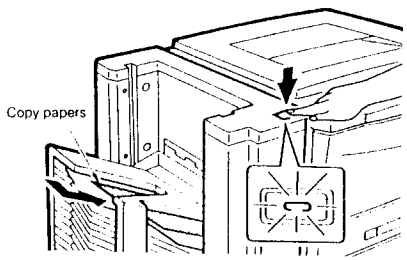
4 Confirm that papers are stapled correctly.

Place a set of papers in the 2nd bin (below the non-sort bin), check the stapling location, and then press the manual staple key when it lights up.

Next, remove the papers that were placed in the 2nd bin and confirm that they have been stapled correctly.

At this time, if the papers still have not been stapled, repeat this procedure once again.





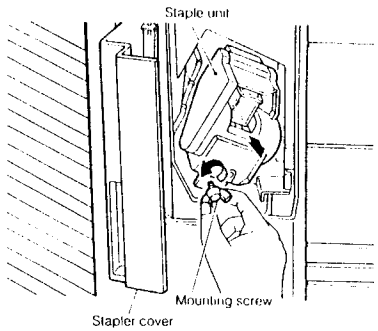
This completes the staple sorter installation.

If staples have become jammed.

1 Remove the staple unit.

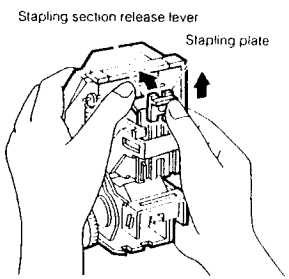
Open the stapler cover and remove the mounting screw securing the unit in place.

Next, remove the staple unit.



2 Open the stapling section.

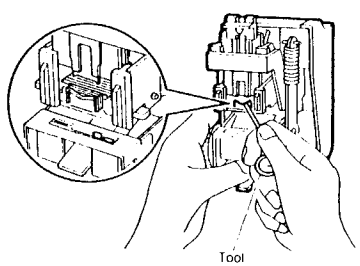
Open the stapling section by pushing up on the stapling plate while pressing on the stapling section release lever.



3 Remove the jammed staples.

Remove the jammed staples with the supplied tool as shown in the figure.

* This tool can be found on the inside of the staple unit cover.



(Trouble codes and countermeasures)

Trouble code	Sub code	Content	Possible cause	Countermeasure
F2	31	Image exposure sensor error. Photoconductor surface reflection detection error After displaying the trouble code (occurrence of the error), process control does not function. The previous correction controls are retained.	Dirt on the image density sensor (ID)	Clean the image density sensor and its peripheral. Use soft cloth immersed in water or alcohol to clean the sensor surface.
			Dirt on the drum surface by incomplete cleaning	Check the cleaning blade and the photoconductor drum surface and replace them if necessary.
			Image density sensor (ID) sensing level is not adjusted. * Image density sensor (ID) PWB trouble * Process control VR PWB trouble	Execute simulation No. 44-3. (Set to 90±3 with VR2.)
		Error display in simulation No. 44-9 DM CNT: 99 ID CNT: 2 or 4		
F2	32	Drum mark sensor trouble. Surface level and drum mark sensing abnormality After displaying the trouble code (occurrence of the error), process control does not function. The previous correction controls are retained.	Dirt on the drum mark sensor (DM)	Clean the drum mark sensor (DM) and its peripheral. Use soft cloth immersed in water or alcohol to clean the sensor surface.
			Dirt on the drum surface by incomplete cleaning	Check the cleaning blade and the photoconductor drum surface, and replace them if necessary.
			Drum mark sensor (DM) sensing level is not adjusted. Improper drum (drum without mark) * Drum mark sensor (DM) PWB trouble * Process control VR PWB trouble	Execute simulation No. 44-2. (Set to 90±3 with VR1.)
		Error display in simulation No. 44-9 DM CNT: 99 ID CNT: 1 or 3 or 5		
F2	35	Process control operation failure Density detection and correction error When ① or ② is detected, process control is fixed to the reference condition. In case of an accidental trouble caused by the change in environments (temperature, humidity), if the inside state of the machine recovers, then the trouble will be cleared.	① Image density is too high to be corrected. (When executing simulation No. 44-6) Developer/toner density changes greatly. Humidity and temperature is low.	Check the developer unit. • Visually check the pressure contact and the lock state. • Check the high voltage output. Simulation No. 44-11. GB NOM: –875V GB INT: 440V Simulation No. 8-1 DV BIAS: –200V
			② Image density is too low to be corrected. (When executing simulation No. 44-6) Developer/toner density changes greatly. Humidity and temperature change greatly.	• Developer stirring Simulation No. 25-1. Replace the developer.
		Error display with simulation No. 44-9: ① DM CNT: 99 ID CNT:6 or 8 ② DM CNT: 99 ID CNT:7		

(4) Execute simulation No. 44-2 drum mark sensor level adjustment.
Standard value: 90±4

NORMAL :	TS :	PHOTO :
GG BEF :	GB PAT :	STD BA :
DM CNT :	ID CNT :	STD PA :
ID BAS1 :	ID BAS2 :	ID GAS3 :
ID PAT1 :	ID PAT2 :	ID PAT3 :
MARK :	MAR BA :	

MAR BA < 86 --- Turn VR1 clockwise.
MAR BA < 94 --- Turn VR1 counterclockwise.
MAR BA: Drum surface sensing level
MARK: Drum mark sensing value

Note: When the variation rate of MAR and MARK values is less than 30%, the machine stops. (e. g., when installing a drum of the other models erroneously.)

(5) Execute simulation No. 46-1 copy exposure adjustment.
Execute the copy exposure adjustment according to the procedure of [8]-5.

F. Adjustment when replacing/cleaning the drum mark sensor

(1) Execute simulation No. 44-2 drum mark sensor level adjustment.
Standard value: 90±4

NORMAL :	TS :	PHOTO :
GG BEF :	GB PAT :	STD BA :
DM CNT :	ID CNT :	STD PA :
ID BAS1 :	ID BAS2 :	ID GAS3 :
ID PAT1 :	ID PAT2 :	ID PAT3 :
MARK :	MAR BA :	

MAR BA < 86 --- Turn VR1 clockwise.
MAR BA < 94 --- Turn VR1 counterclockwise.
MAR BA: Drum surface sensing level
MARK: Drum mark sensing value

Note: When the variation rate of MAR and MARK values is less than 30%, the machine stops. (e. g., when installing a drum of the other models erroneously.)

G. Adjustment when replacing/cleaning the image density sensor

(1) Execute simulation No. 44-3 image density sensor level adjustment.
Standard value: 90±4

ID BAS < 86 --- Turn VR2 clockwise.
ID BAS > 94 --- Turn VR2 counterclockwise.

H. Adjustment when replacing the sensor level adjustment VR PWB

Execute the procedures of F and G in the above.

1. **Note: This model emplyes the high-sensitivity drum, which requires special care against pre-exposure.**
   1) **Never expose the drum outside the bag. (Keep it in a black bag.)**
   2) **When istalling this model, avoid facing the front cover toward a light source or window. Avoid opening the front cover as far as possible.**
2. **Other note**
   1) **If starting powder is attached to the density sensor when replacing the drum/blade, it may cause faulty operations of the sensor. Be sure to clean and remove powder.**

6. Adjustments relating to process control

(The adjustment procedures differ according to the state of service maintenance.)

A. Adjustment when installing the machine

- Unpack the machine (lock release).
- Install and supply the supply parts.
- Turn on the power.

(1) Execute simulation No. 25-2. Toner density reference value setting

Over toned error → EE(EL)
Under toned error → EE(EU)

B. Adjustment in maintenance within the life of supply part

- Complete the maintenance.
- Turn on the power.

(1) Execute simulation No. 44-1. Process control state check

Correction mode set state	Valid	Invalid	Normal setting
Optical system dirt correction mode	+2	0	7
Drum layer wear correction mode	+4	0	
Process control correction mode	1	—	

For this adjustment, check that the setting value is "7."

(2) Compulsorily execute simulation No. 44-6 process control.
GB BEF (Initial patch forming voltage):
Standard value: 50 = 440V
GB PAT (Patch forming voltage after compulsory execution) display: Display value: 1 ~ 99

NORMAL	:	TS	:	PHOTO	:
GG BEF	:	GB PAT	:	STD BA	:
DM CNT	:	ID CNT	:	STD PA	:
ID BAS1	:	ID BAS2	:	ID GAS3	:
ID PAT1	:	ID PAT2	:	ID PAT3	:
MARK	:	MAR BA	:		

<Example>
GB PAT: 45
Formula : (GB BEF – GB PAT) x 4
: (50 – 45) x 4 = 20
The measurement value of the grid voltage in each mode is converted into 1/10 and displayed on "NORMAL:TS:PHOTO."

(3) Execute simulation No. 46-1 copy exposure adjustment.
Execute copy exposure adjustment according to the procedure of [8]-5.

C. Adjustment when replacing the developer

- Complete replacement of the developer.
- Turn on the power.

(1) Execute simulation No. 25-2. Toner density reference value setting

Over toned error → EE(EL)
Under toned error → EE(EU)

(2) Execute simulation No. 46-1 copy exposure adjustment.
Execute the copy exposure adjustment according to the procedure of [8]-5.

D. Adjustment when replacing the drum (Photoconductor)

- Complete replacement of the drum.
- Turn on the power.

(1) Execute simulation No. 24-7 drum film wear correction counter reset.

(2) Execute simulation No. 44-6 compulsory execution of process control.
GB BEF (Initial patch forming voltage) display:
Standard value: 50 = 440V
GB PAT (Patch forming voltage after compulsory execution) display: Display value: 1 ~ 99

<Example>
GB PAT: 45
Formula : (GB BEF – GB PAT) x 4
: (50 – 45) x 4 = 20
The measurement value of the grid voltage in each mode is converted into 1/10 and displayed on "NORMAL:TS:PHOTO."

(3) Execute simulation No. 44-2 drum mark sensor level adjustment.
Standard value: 90 ±4

NORMAL	:	TS	:	PHOTO	:
GG BEF	:	GB PAT	:	STD BA	:
DM CNT	:	ID CNT	:	STD PA	:
ID BAS1	:	ID BAS2	:	ID GAS3	:
ID PAT1	:	ID PAT2	:	ID PAT3	:
MARK	:	MAR BA	:		

MAR BA < 86 --- Turn VR1 clockwise.
MAR BA > 94 --- Turn VR1 counterclockwise.
MAR BA: Drum surface sensing level
MARK: Drum mark sensing value

Note: When the variation rate of MAR and MARK values is less than 30%, the machine stops. (e. g., when installing a drum of the other models erroneously.)

(3) Execute simulation No. 46-1 copy exposure adjustment.
Execute the copy exposure adjustment according to the procedure of [8]-5.

E. Adjustments when replacing the developer and the drum (photoconductor)

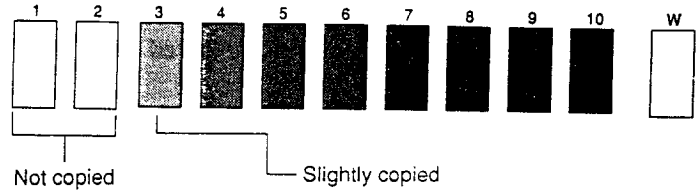
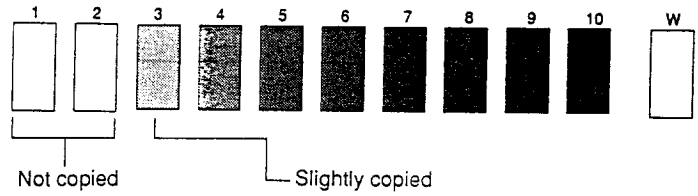
- Complete replacement of the drum.
- Complete replacement of the developer.
- Turn on the power.

(1) Execute simulation No. 24-7 drum film wear correction counter reset.

(2) Execute simulation No. 25-2 toner density reference value setting
Over toned error → EE(EL)
Under toned error → EE(EU)

(3) Execute simulation No. 44-6 compulsory execution of process control.
GB BEF (Initial patch forming voltage) display:
Standard value: 50 = 440V
GB PAT (Patch forming voltage after compulsory execution) display: Display value: 1 ~ 99

<Example>
GB PAT: 45
Formula : (GB BEF – GB PAT) x 4
: (50 – 45) x 4 = 20
The measurement value of the grid voltage in each mode is converted into 1/10 and displayed on "NORMAL:TS:PHOTO."

Item	Description
PE 5	
E. Adjusting the auto-exposure copy density	
(1) Normal mode AE 1	Input "0"
AE 5	
(2) TSM mode AE 1	Input "0"
AE 2	

Procedures for Adjusting the Copy Density

Item	Description
(1) Auto-exposure density level	3 (Normal level) Key operator PGM.20
(2)Initial setting of TSM mode	RESET Key operator PGM.22
(3) Setting of AE sensor characteristics	Perform Simulation 47
(4) Setting of drum sensitivity	Perform Simulation 26-07
(5) Setting of test chart	Test chart comparison table

UKOG-0162FCZZ DENSITY No.	1	2	3	4	5	6	7	8	9	10	W
UKOG-0089CSZZ DENSITY No.	0.1		0.2		0.3				0.5	1.9	0
KODAK GRAY SCALE		1		2		3		4		19	A

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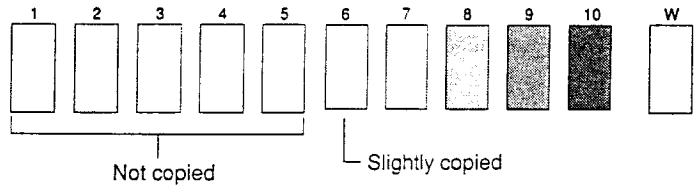
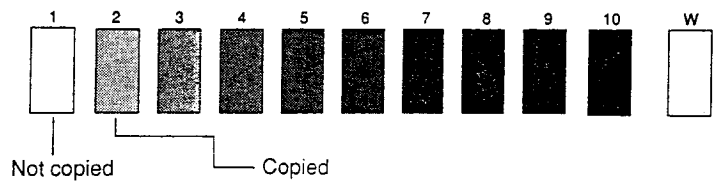
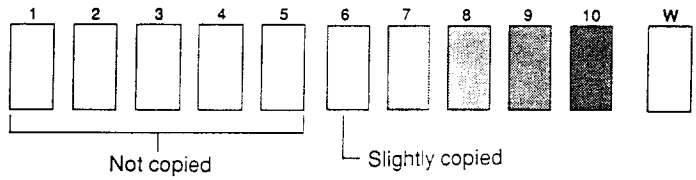
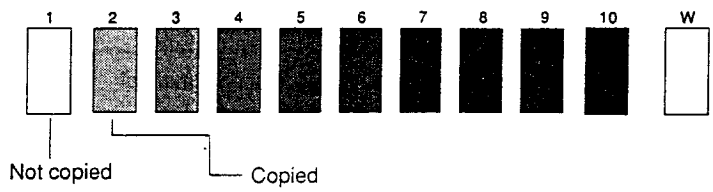
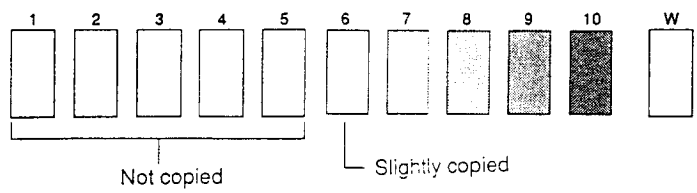
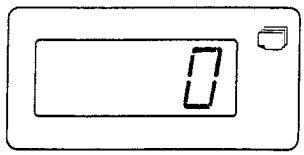
(6) Adjustment of copy density	
A. Adjusting the developing bias output	−200 V (manual exposure 1) Perform Simulation 8-01
B. Adjusting the manual-exposure copy density	Perform Simulation 46-01
ME 1	
ME 5	
C. Adjusting the TSM mode	
TS 1	
TS 5	
D. Adjusting the copy density in photo mode	
PE 1	

E. Adjusting the auto(normal) mode

① Press [➡] key to highlight AE1.

② Enter "0" for AE1.



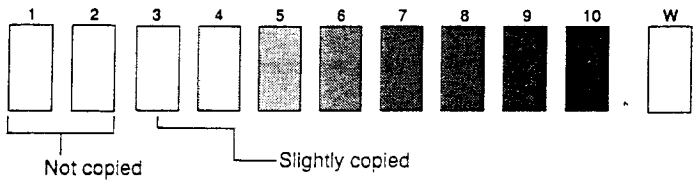
③ Press [➡] key to highlight AE5.

④ Make a copy.
Check that the "3" of UKOG-0162FCZZ (or 0.2 of UGOG-0089CSZZ) has slightly copied.
If the above condition is not met, readjust as follows:

<When light> Decrease the value shown on the copy quantity indicator.

<When dark> Increase the value shown on the copy quantity indicator.

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		

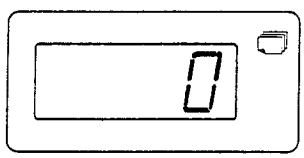


(2) Adjusting the auto (TSM) mode

① Press [➡] key to highlight AE1 (TS).

② Enter "0" for AE1 (TS).

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		



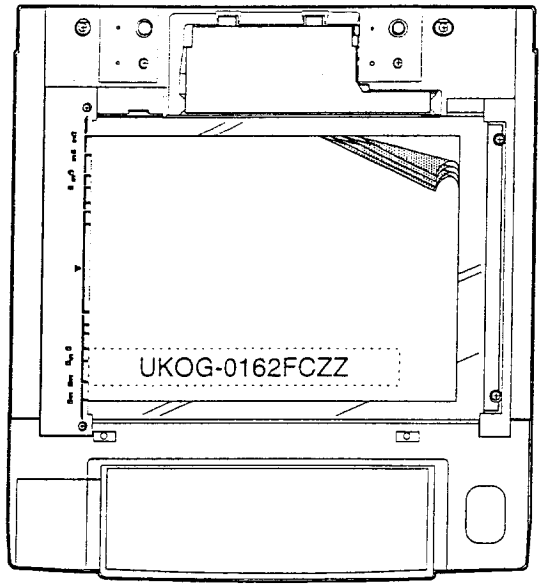
③ Press [➡] key to highlight AE5 (TS).

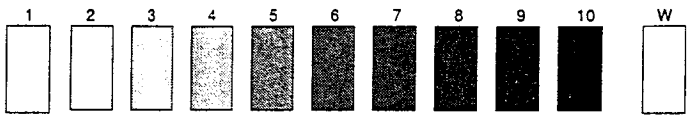
④ Perform adjustments similarly to auto exposure mode (normal mode).
Procedure E: ⑤

(5) Setting of test chart

① Align four or five papers with at least 120 mm in width and approx.420 mm in length one upon another.

② Set the test chart (UKOG-0162FCZZ) on exposure glass towards machine front side as shown.





UKOG-0162FCZZ DENSITY No.	1	2	3	4	5	6	7	8	9	10	W
UKOG-0089CSZZ DENSITY No.	0.1		0.2		0.3				0.5	1.9	0
KODAK GRAY SCALE		1		2		3		4		19	A

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(6) Adjustment of copy density

A. Checking the developing bias output
Check that the output value is -200 V when the exposure is set to "1" in the manual exposure mode. Perform Simulation 8-01 for checking the developing bias.

B. Adjusting the density in manual exposure mode

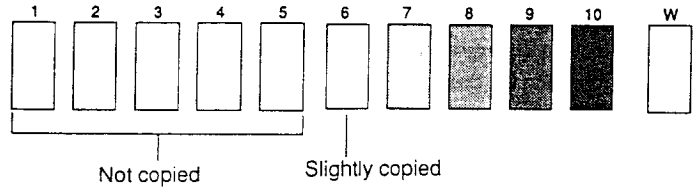
① Perform Simulation 46-01 for adjusting the copy density.
The exposure indicator of the operation panel shows "1" of the manual copy mode.

② Check that the cursor is on ME.1.
IF the cursor is not on ME.1, use ➡ message scroll key to select ME.1.

③ Make a copy.
Check that the "6" of UKOG-0162FCZZ (or 0.5 of UGOG-0089CSZZ) has slightly copied and "5"(0.3) is not copied.

<When light> Decrease the value shown on the copy quantity indicator.
<When dark> Increase the value shown on the copy quantity indicator.
* available values : 1-99

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		

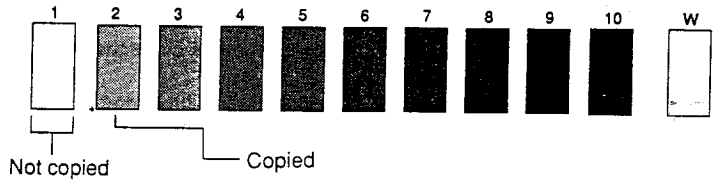


③ When the copy density meets the above requirement, press ➡ key to highlight "ME5:".

④ Make a copy.
Check that the "2" of UKOG-0162FCZZ (or 0.2 of UGOG-0089CSZZ) has slightly copied and "1"(0.1) is not copied.

<When light or dark> See 2).

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		



C. Adjusting the TSM mode

① Press ➡ key to highlight "TS1:".

② Perform adjustments of TS1 and TS5 similarly to ME1 and ME5.
Procedure B: ② ~ ④

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		

D. Adjusting the photo mode

① Press ➡ key to highlight PE1.

② Perform adjustments of PE1 and PE5 similarly to ME1 and ME5.
Procedure B: ② ~ ④

EXPOSURE LEVEL ADJUSTMENT			
ME1:	ME5:	TS1:	TS5:
PE1:	PE5:	AE1:	AE5:
AE1(TS):	AE5(TS):		

5. Adjustment of Copy Density

1. When must the copy density be adjusted ?

- When doing maintenance;
- After adjusting the output current of the main charger and transfer charger, the bias voltage of the separation charger and the grid voltage (After replacing the charger unit and/or the high voltage unit);
- After adjusting the developing bias;
- After replacing parts in the AC PWB unit;
- After replacing the automatic exposure sensor;
- After replacing the copy lamp;
- After replacing the optical unit;
- After disassembling, repairing and/or adjusting the optical unit;
- After moving the exposure control plate;
- After replacing the drum;
- After replacing the main substrate

2. Notes on adjustment of copy density

Before adjusting the copy density, do the followings:

① Clean the optical system(original glass plate, lens, mirror, copy lamp, reflector).

② Clean the automatic exposure sensor (clean the surface of the photosensor with a soft cloth soaked with alcohol or water). (Note: The use of dry cloth will cause dust adhesion on the surface of the sensor due to static electricity).

③ Clean the (transfer and separation) charger wire and the screen grid.

④ Clean the blank lamp and the separation lamp around the drum holder unit.

⑤ Clean the drum cleaning blade. (After cleaning, always apply powder on the blade).

Note: Perform the manual-exposure density adjustment first, and then perform the auto-exposure density adjustment.

Note: • **This machine automatically performs the correction to the optical system dirt. When Simulation 46-01 is performed, each mode correction is initialized. When performing Simulation 46-01, perform the adjustments of all modes.**

• **This machine automatically performs the correction to the sensitivity due to photoconductor aging. When a copy is made in Simulation 46-01, the correction state will be initialized.**

3. Procedure for copy density adjustment

(1) Initial setting of auto-exposure density level (User adjustment)

① Enter the key operator code.

② Execute simulation No. 20.

The following message is displayed on the LCD.

P.20: AUTO EXPOSURE LEVEL ADJUSTMENT		
1. LIGHT	2. SLIGHTLY LIGHT	3. STANDARD
4. SLIGHTLY DARK	5. DARK	

③ Select "3" with the ten key.

④ Press [CA] key to cancel the set mode.

(2) Initial setting of TSM mode (User adjustment)

① Enter the key operator code.

② Execute simulation No. 22.

"1": TSM mode enable
"2": TSM mode disable

③ Select "2" with the ten key.

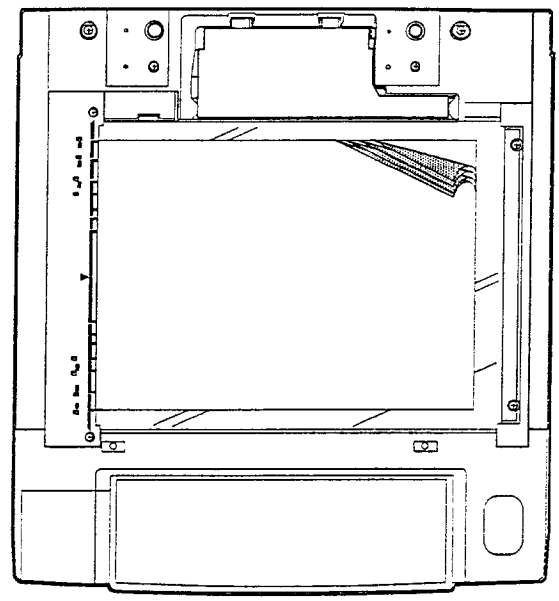
④ Press [CA] key to cancel the set mode.

(3) Adjustment of AE sensor level

① Perform Simulation 47. (The mirror base makes scanning motion and stops at AE sensor level measuring position).

② Place four or five A3-size (or 11" x 17") papers one upon another on the original table.

③ Press the print switch again. The copy quantity indicator shows the AE sensor output level for blank paper, which is stored in memory.



(4) Setting of drum sensitivity

① Perform Simulation 26-07 and check that the first digit of the 4-digit drum number printed on the front-frame sided drum flange is shown on the copy quantity indicator.

② If the indicated number differs from the drum number, press the copy quantity key to change the setting.

Note: If the setting is done with the copy quantity key, the indicated number is limited to 1, 2 or 3.

(2) Adjusting the Original Detection Level

(Input of Original Detection Level)

The original detection level is a reference level used to decide whether a original exists on the original table or not and to monitor the status of the individual detection sensor.

Input Procedure

① [C] → [=J] → [0] → [=J] → [4] → [1] → [PSW] → [2] → [PSW] .

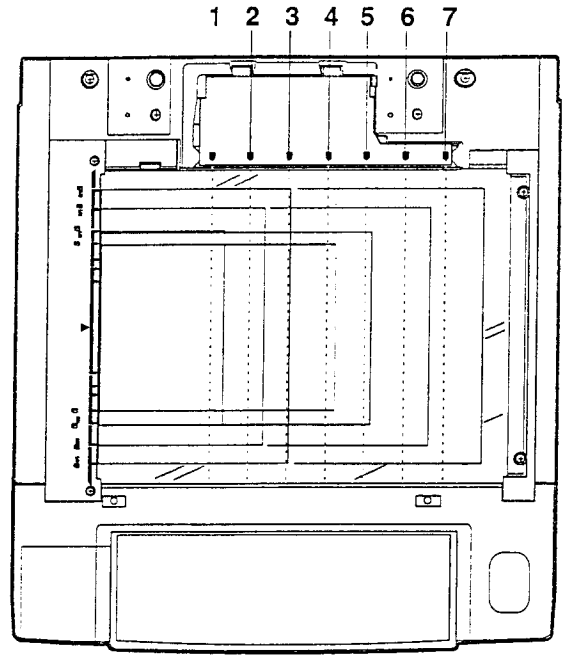
The ready lamp(RPW) lights up.

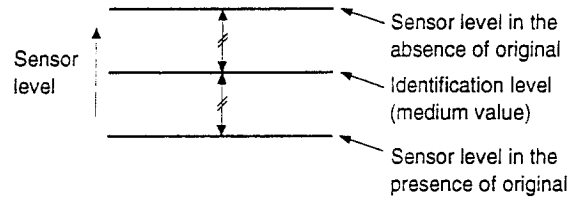
② With the original cover opened, turn on the print switch(PSW) with no original on the original table.
The ready lamp goes off momentarily, then goes on. (The sensor level in the absence of original is read in memory).

③ Set an A3-size(11" x 17") copy paper on the original table, and with the original cover opened, turn on the print switch. (The sensor level in the presence of original is read in memory). The machine stores the sensor level for deciding the absence/presence of original in memory.

* (The sensor level can be viewed using Simulation 41-03).

<Remarks> Principle of Detection Level Setting
The machine averages the sensor levels in the presence and absence of original and stores the result (medium value) in memory.




Sensor level
Sensor level in the absence of original
Identification level (medium value)
Sensor level in the presence of original

(Sensor Check Mode)

The detection levels of the photosensors can be viewed using Simulation 41-01. (After the original detection levels are input, the machine enters the check mode automatically).

Procedure for checking the photosensor

• [C] → [=J] → [0] → [=J] → [4] → [1] → [PSW] → [1] → [PSW] .

* The arrangement of photosensors is as follows:

Bearing	Internal AB system	External AB system	External Inch system
1	—	A5	8-1/2 x 5-1/2"
2	B5	A4	8-1/2 x 11"
3	A4	—	—
4	B5R	–A4R	8-1/2 x 11"(R)
5	A4R	—	—
6	B4	B4	8-1/2 x 14"
7	A3	A3	17"

SIMULATION NO.41-3

LIGHT RECEIVE LEVEL SETTING LEVEL

– – – – – –

B5
A4
B5R
A4R
B4
A3

(Checking the Light Receiving Level and Decision Level)

The light receiving level and decision level can be viewed using Simulation 41-03.

① Light receiving level and setting level indication mode
[C] → [=J] → [0] → [=J] → [4] → [1] → [PSW] → [3] → [PSW] .

• During Simulation 41-03, the light receiving level and setting level are shown on the LCD.

⑦ Take a full-size copy and check if the image loss and the void area meet the following standards:
(Standard value)
Image loss: 0 ~ 3 mm
Void area: 1 ~ 3 mm

⑧ Press the clear key to clear Simulation 50-01.

Note: After changing the RRC-A and RRC-B settings, always adjust the void area of copy end.

(When using Simulation 50-02)

The key and indicator functions in Simulation 50-02 are the same as those in Simulation 50-01.
Simulation 50-02 permits the values of L1 and L2 to be directly input and the end adjustment to be easily performed.

Adjusting Procedure

① Set a scale on the original table.

② [C] → [=] → [0/◊] → [=] → [5] → [0/◊] → [PSW] → [2] → [PSW] to enter the Simulation 50-02 mode.
The machine starts warm-up operation.

③ Display example:

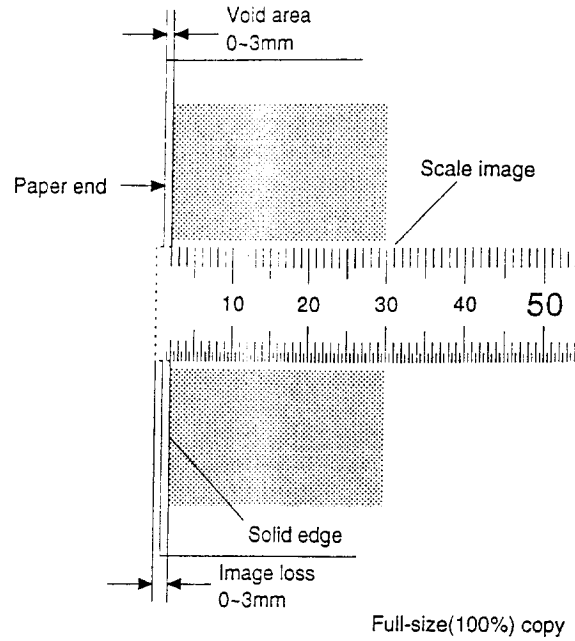
LEAD EDGE IMAGE POSITION ADJUSTMENT (CALCULATION FORMULA)
L1 L2: VOID:

- L1: Lead edge deviation at 200% magnification (OOO mm: 3-digit)
- L2: Lead edge deviation at 100% magnification (XXX mm: 3-digit)

Indication example of copy quantity indicator
42.5 mm → [4] [2] [5] → indicated as [2] [5]

④ Using the scrol display key and ten keys, set both A and B values to 0 and take a copy at magnification 100% and 200% respectively.

- An 100% copy can be taken by typing [0/◊] → [0/◊] → [0/◊] → [▬] → [0/◊] → [0/◊] → [0/◊] → [PSW] .
- A 200% copy can be taken by typing [ENLARGE] → (After the lens moves, ready lamp ON) → [PSW] .



Full-size(100%) copy

⑤ Measure the distance from the paper end to image(scale) end of the 200% and 100% copy, and using the scrol display key and the ten keys, type the L1 and L2 values. Type all three digits.
The RRC-A and RRC-B values of Simulation 50-01 are automatically calculated and stored in memory.
Input Procedure
Assuming the L1 is 25.4 mm and L2 is 15.0 mm:
After checking that the last digit of the magnification indicator is A, [2] → [5] → [4] → [▬] → [1] → [5] → [0] → [PSW] .

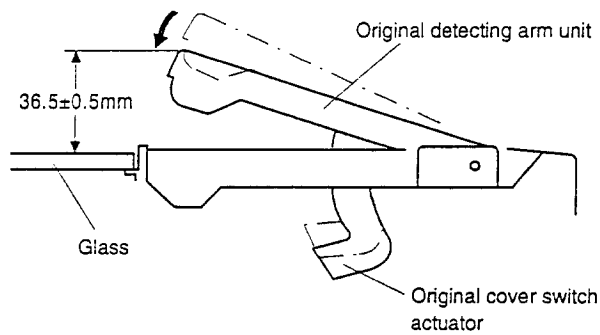
⑥ Adjust and check the deviation, image loss and void area in the same manner as in case of Simulation 50-01.

4. Original Detecting Mechanism

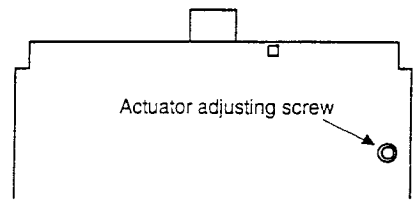
(1) Adjusting the Original Detecting Arm Unit

1 Adjusting the timing when the original cover switch is turned on (This adjustment should be made by the fabricator).
[C] → [P] → [0] → [P] → [4] → [1] → [PSW] → [1] → [PSW] to perform Simulation 41-01.

- Move the original detecting unit slowly so that the height of the arm unit top is 36.5±0.5 mm from the table glass.
Loosen the actuator adjusting screw, and shift the actuator so that OCSW turns from reverse display to normal display. (If the original cover switch ON timing is shifted, original detection may not work properly.)



SIMULATION NO.41-1
DCCUMENT SIZE SENSOR CHECK
B5 OCSW
A4
B5R
A4R
B4
A3



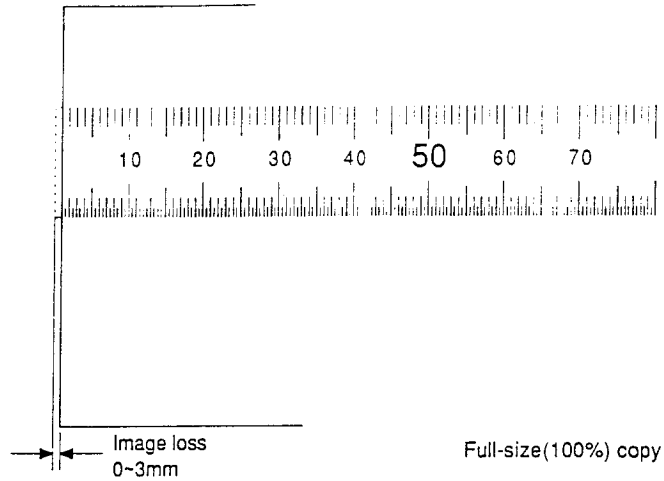
- L1: Lead edge deviation at 200% magnification
- L2: Lead edge deviation at 100% magnification
- RRC-A = 4.7222 x (L1 – L2)
- RRC-B = 7.2202 x L2 – 3.6101 x L1

⑤ Using the ten keys, input the values of RRC-A and RRC-B given by the expressions shown above. For input procedure see 3).

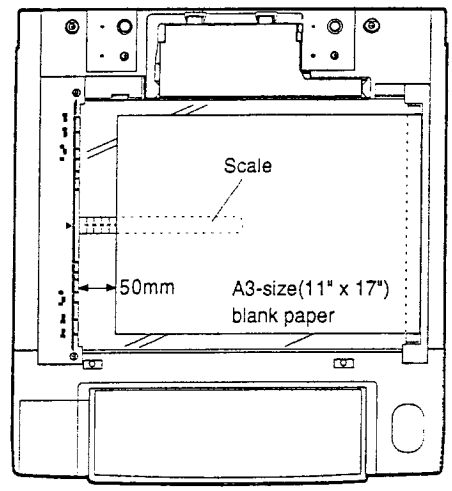
⑥ Take copies at 200%, 100% and 50% magnification and check the deviation difference at each magnification is less than approx. 1 mm.
If the difference is larger than 1 mm, repeat step ③ to ⑥.

⑦ Take a 100% copy to check the image loss for 3 mm or less. If the image loss is larger than 3 mm, change the content of RRC-B so that the range of the image loss is 3 mm or less.

Note: The image loss value adjusted as described above is the image loss value adjusted in Simulation 50-01, and not the final value.

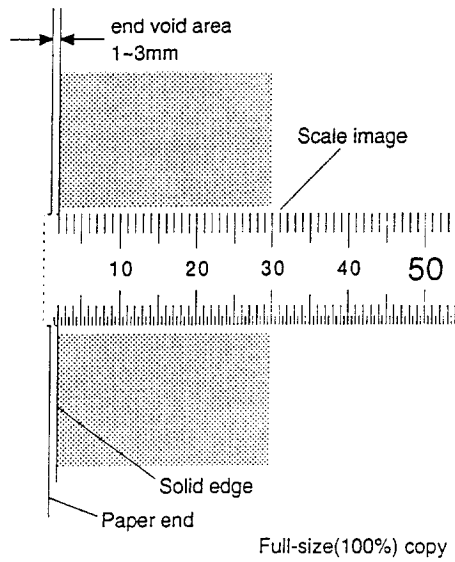


⑧ Set a scale and an A3-size(11" x 17") blank paper on the original table as shown in the figure.



⑨ Operate the scrol display key to set to the void adjustment mode of the LCD.

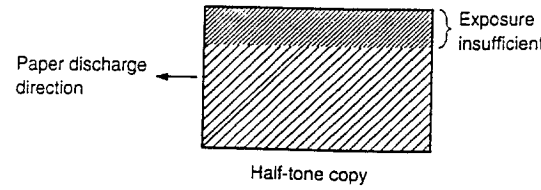
⑩ Take a copy. Type a value for adjusting the end void area of the full-size copy so that, measured with the scale image, the solid edge is 1 ~ 3 mm away from the paper end.
The key operation □ → □ → PSW provide a copy and sets the input value. The input value of "1" corresponds to 0.2 mm in void area. Larger input value provides larger void area.



SIMULATION NO.50-*
1. LEAD EDGE IMAGE POSITION ADJUSTMENT
2. LEAD EDGE IMAGE POSITION ADJUSTMENT (CALCULATION FORMULA)

LEAD EDGE IMAGE POSITION ADJUSTMENT
RRCA: RRCB: VOID:

Eg. If the copy is as shown in the figure, move the exposure control plate a in the B direction to achieve the exposure balance.



Half-tone copy

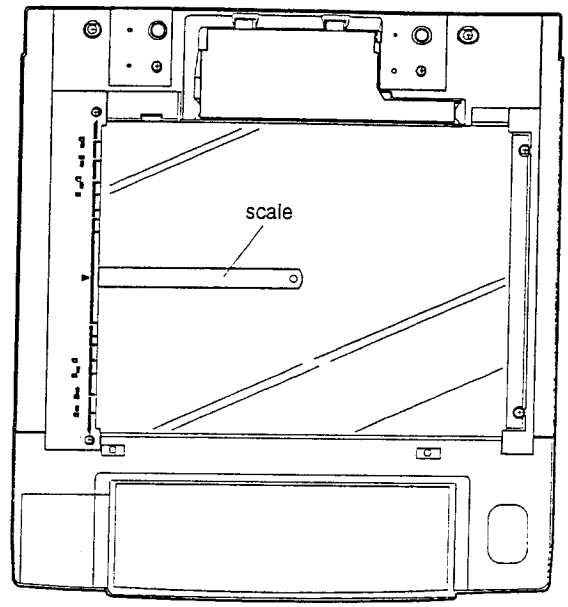
(11) Adjusting the Copy

Simulation 50-01 or 50-02 allows the copy adjustment.
(Full-size copy)
Image loss 0 ~ 3 mm (Registration)
Void area 1 ~ 3 mm

(When using Simulation 50-01)

In this simulation, the following keys have special functions:
REDUCE key: This key is used to set the magnification to 50%.
ENLARGE key: This key is used to set the magnification to 200%.
For each operation of the scrol display key, A → B → C → A → are indicated in this order and the LCD shows a preset value as follows:

A: Preset value of RRC-A
B: Preset value of RRC-B
C: Preset value of void



SIMULATION NO.50-*
1. LEAD EDGE IMAGE POSITION ADJUSTMENT
2. LEAD EDGE IMAGE POSITION ADJUSTMENT (CALCULATION FORMULA)

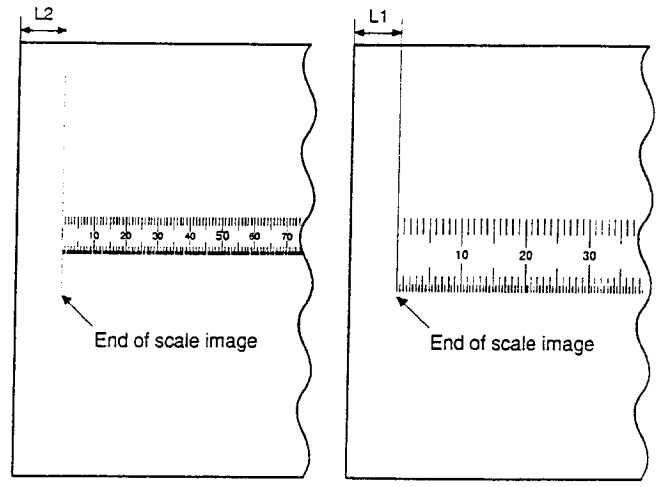
LEAD EDGE IMAGE POSITION ADJUSTMENT
RRCA: RRCB: VOID:

Adjusting Procedure

① Set a scale on the original table.
② [C] → [=⌟] → [0/◊] → [=⌟] → [5] → [0/◊] → [PSW] → [1] → [PSW] to perform Simulation 50. When the ready lamp goes on, a preset value (ranging from 1 to 99) is indicated. Content of RRC-A.
③ Set values of both A and B to 0 and take a copy of the scale at magnification of 100% and 200% respectively.
- A full-size(100%) copy can be taken by typing
- [0/◊] → [0/◊] → [▬] → [0/◊] → [0/◊] → [PSW] .
- A enlarged(200%) copy can be taken by typing [ENLARGE] → (After the lens moves, ready lamp ON) → [PSW] .

④ Measure a distance from the paper end to the image (scale) end of each copy, and calculate the values of RRC-A and RRC-B with the following expressions:

If the preset value of RRC-A is not appropriate, the images at the both magnifications differs in end position. RRC-B is a preset value used to control the RRC ON-timing so that the end of the drum image is aligned with the end of a copy paper.



full-size(100%) copy
Enlarged(200%) copy

If La=Lb and Lc=Ld, no adjustment is required.
If La>Lb(Lc<Ld). rotate the eccentric roller in one direction to raise the front frame side of the 4. and 5. mirror base unit.
If La<Lb(Lc>Ld), rotate the eccentric roller in the other direction to lower the front frame side of the 4. and 5. mirror base unit.
Note: Remember how much the roller is rotated.
(One rotation of the roller causes the height of the front frame side to change by 2 mm and the difference between La and Lb to change by 4 mm).

* After opening the front cabinet, the adjustment described above can be made through the access hole.

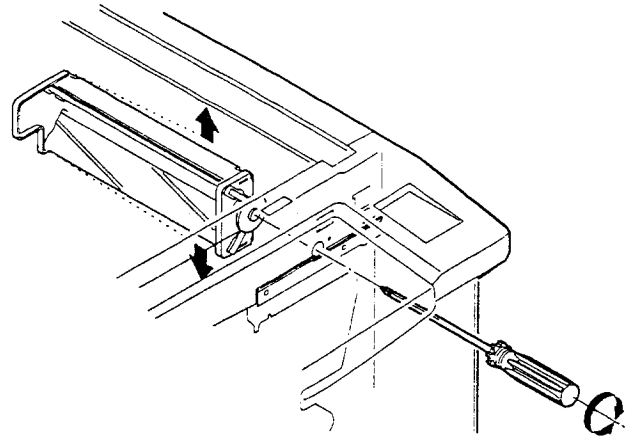
If the above procedure does not provide sufficient adjustment, follow the steps shown below:

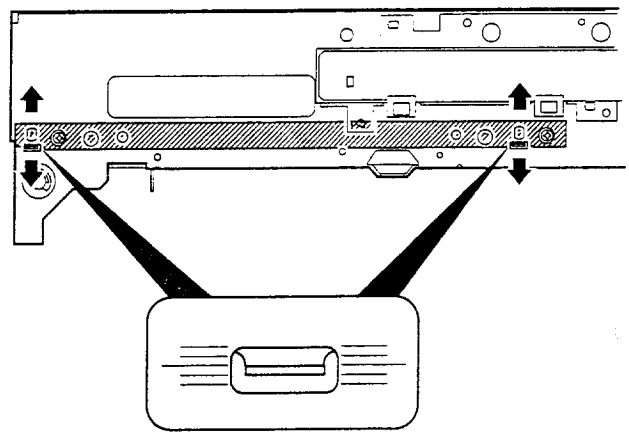
① Move the B rail of the mirror base upward or downward (in the arrow direction).
If La>Lb, raise the mirror base B rail on the paper discharge side by one-half of (La-Lb).
If La<Lb, lower the mirror base B rail on the paper discharge side by one-half of (Lb-La).
ex.:
When La=12 mm and Lb=9 mm, raise the mirror base B rail on the paper discharge side by 1.5 mm.

If Lc>Ld, lower the mirror base B rail on the paper discharge side by one-half of (Lc-Ld).
If Lc<Ld, raise the mirror base B rail on the paper discharge side by one-half of (Ld-Lc).
(Grasping the grip of the mirror base rail, move the mirror base rail).

② Adjust the eccentric roller as described in 1) until La=Lb and Lc=Ld.

③ After adjustment, manually rotate the mirror base driving pulley to check that the mirror base A and B do not come into contact with each other during full-scanning motion.
Note: If the mirror base rail is moved excessively, the mirror bases may contact with each other.

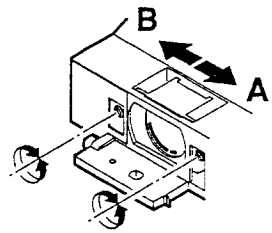


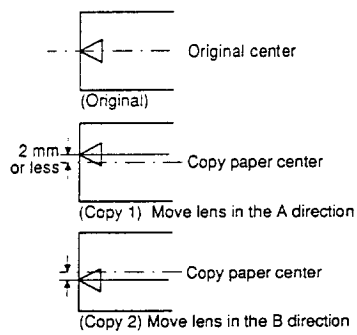


(9) Adjusting the Center Deviation

Take a full-size copy and compare the copy with the original.
If the deviation of the copy center from the original center is more than 2mm, move the lens in the arrow direction so that the deviation is 2 mm or less.

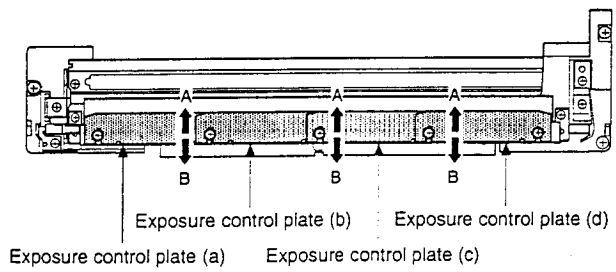
Note: After moving the lens, adjust the position of the blank lamp because a change of the reference center position results in a change of the blank lamp position.




Original center
(Original)
2 mm or less
Copy paper center
(Copy 1) Move lens in the A direction
Copy paper center
(Copy 2) Move lens in the B direction

(10) Adjusting the Exposure Balance

Take a half-tone copy, and move the exposure control plate a, b, c and d to adjust the exposure balance. Movement of the plate in the A direction provides less exposure and the B direction more exposure.



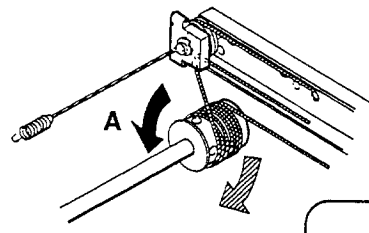
If the width of the front end solid (La) is equal to that of the rear end solid (Lb), no adjustment is required.
Otherwise, follow the steps ④ to ⑦ described below:

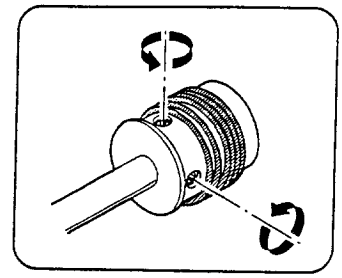
④ Loosen screws securing the mirror base driving pulley on the rear frame side.
If La is bigger than Lb, rotate the mirror base driving pulley on the rear frame side in the A direction. (Do not rotate the flange and the shaft of the mirror base driving pulley).
If La is smaller than Lb, rotate the mirror base driving pulley on the rear frame side in the B direction. (Do not rotate the flange and the shaft of the mirror base driving pulley).

⑤ Tighten the screws securing the mirror base driving pulley.

⑥ Repeat steps ① to ③.

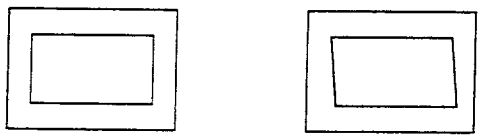
⑦ If La is not equal to Lb, repeat steps ④ and ⑤ until La=Lb.





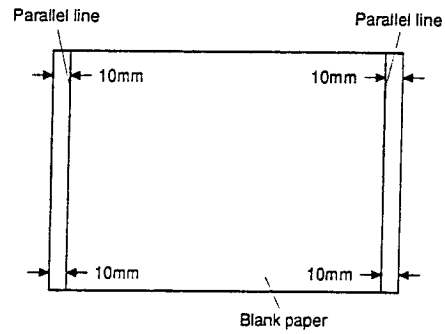
(8) Correcting the Lateral Distortion

If the lateral distortion occurs without the longitudinal distortion(distortion in the mirror base scanning direction), the lateral distortion can be corrected by adjusting the height of 2. and 3. mirror base and/or the eccentric roller of 4. and 5. mirror base.
The correction procedure is as follows:



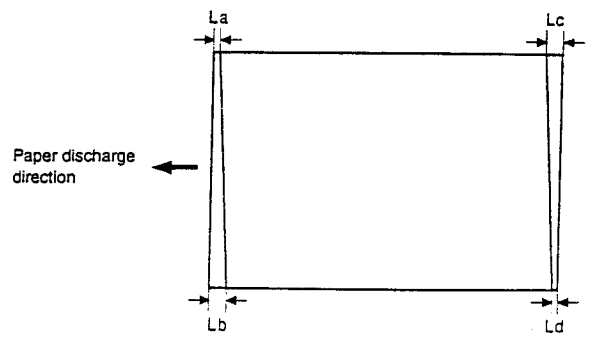
Original Copy

① Preparing the reference original:
On an A3-size or 11" x 17" blank paper, draw 2 parallel lines at the positions 10 mm away from the both ends.



② Take a full-size copy of the paper using an A3-size or 11" x 17" paper.

③ Measure and the distance between the paper end and the line at 4 positions (La, Lb, Lc and Ld).

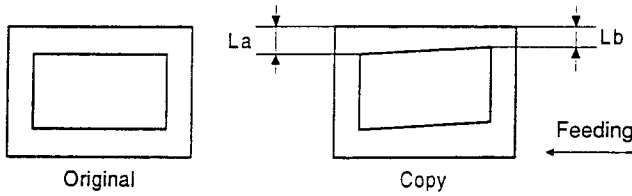


Lens display value		Correction reference value			
Oi	OL	No. 4/5 mirror focus adjustment (45MB) 48-01	Vertical magnification ratio adjustment 48-01-➡	Lens characteristics input value 26-08 No. 4/5 mirror characteristics input value 26-09	Lens display value Oi
−2.5 ~ 2.4	−1.3 ~ 1.2	54	46	8	−2.8 ~ 1.9
−2.7 ~ 2.6		55			
−2.9 ~ 2.8	−1.5 ~ 1.4	56	47		
−3.1 ~ 3.0		57			
−3.3 ~ 3.2	−1.7 ~ 1.6	58	48	7	−3.6 ~ 2.7
−3.5 ~ 3.4		59			
−3.7 ~ 3.6	−1.9 ~ 1.8	60	49		
−3.9 ~ 3.8		61			
−4.1 ~ 4.0	−2.1 ~ 2.0	62	50	6	−4.4 ~ 3.5
−4.3 ~ 4.2		63			
−4.5 ~ 4.4	−2.3 ~ 2.2	64	51		
−4.7 ~ 4.6		65			
−4.9 ~ 4.8	−2.5 ~ 2.4	66	52	5	−5.2 ~ 4.3
−5.1 ~ 5.0		67			
−5.3 ~ 5.2	−2.7 ~ 2.6	68	53		
−5.5 ~ 5.4		69			
−5.7 ~ 5.6	−2.9 ~ 2.8	70	54	4	−6.0 ~ 5.1
−5.9 ~ 5.8		71			
−6.1 ~ 6.0	−3.1 ~ 3.0	72	55		
−6.3 ~ 6.2		73			
−6.5 ~ 6.4	−3.3 ~ 3.2	74	56	3	−6.8 ~ 5.9
−6.7 ~ 6.6		75			
−6.9 ~ 6.8	−3.5 ~ 3.4	76	57		
−7.1 ~ 7.0		77			
−7.3 ~ 7.2	−3.7 ~ 3.6	78	58	2	−7.6 ~ 6.7
−7.5 ~ 7.4		79			
−7.7 ~ 7.6	−3.9 ~ 3.8	80	59		
−7.9 ~ 7.8		81			
−8.0	−4.0	82	60	1	−7.85 ~ 7.5

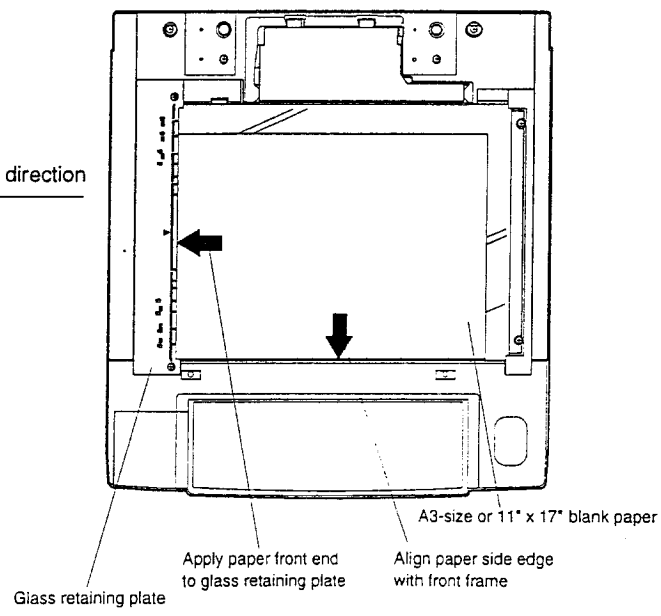
(Lens value input vs. test command input)

(7) Correcting the Longitudinal Distortion

Use this procedure when replacing the mirror base driving wire.



① Set an A3-size or 11" x 17" blank paper on the original table while applying the paper end to the glass retaining plate and aligning the paper side edge with the front frame, as shown in the right figure.
② Use an A3-size or 11" x 17" copy paper to take a full-size copy with the original cover opened.
③ Measure the width of solid at front and rear ends of the copy paper.


A3-size or 11" x 17" blank paper
Apply paper front end to glass retaining plate
Align paper side edge with front frame
Glass retaining plate

Lens display value		Correction reference value			
Oi	OL	No. 4/5 mirror focus adjustment (45MB) 48-01	Vertical magnification ratio adjustment 48-01-➡	Lens characteristics input value 26-08 No. 4/5 mirror characteristics input value 26-09	Lens display value Oi
+8.0	+4.0	2	20	21	+7.6 ~ 7.85
+7.8 ~ 7.9		3			
+7.6 ~ 7.7	+3.8 ~ 3.9	4	21		
+7.4 ~ 7.5		5			
+7.2 ~ 7.3	+3.6 ~ 3.7	6	22	20	+6.8 ~ 7.5
+7.0 ~ 7.1		7			
+6.8 ~ 6.9	+3.4 ~ 3.5	8	23		
+6.6 ~ 6.7		9			
+6.4 ~ 6.5	+3.2 ~ 3.3	10	24	19	+6.0 ~ 7.7
+6.2 ~ 6.3		11			
+6.0 ~ 6.1	+3.0 ~ 3.1	12	25		
+5.8 ~ 5.9		13			
+5.6 ~ 5.7	+2.8 ~ 2.9	14	26	18	+5.2 ~ 5.9
+5.4 ~ 5.5		15			
+5.2 ~ 5.3	+2.6 ~ 2.7	16	27		
+5.0 ~ 5.1		17			
+4.8 ~ 4.9	+2.4 ~ 2.5	18	28	17	+4.4 ~ 5.1
+4.6 ~ 4.7		19			
+4.4 ~ 4.5	+2.2 ~ 2.3	20	29		
+4.2 ~ 4.3		21			
+4.0 ~ 4.1	+2.0 ~ 2.1	22	30	16	+3.6 ~ 4.3
+3.8 ~ 3.9		23			
+3.6 ~ 3.7	+1.8 ~ 1.9	24	31		
+3.4 ~ 3.5		25			
+3.2 ~ 3.3	+1.6 ~ 1.7	26	32	15	+2.8 ~ 3.5
+3.0 ~ 3.1		27			
+2.8 ~ 2.9	+1.4 ~ 1.5	28	33		
+2.6 ~ 2.7		29			
+2.4 ~ 2.5	+1.2 ~ 1.3	30	34	14	+2.0 ~ 2.7
+2.2 ~ 2.3		31			
+2.0 ~ 2.1	+1.0 ~ 1.1	32	35		
+1.8 ~ 1.9		33			
+1.6 ~ 1.7	+0.8 ~ 0.9	34	36	13	+1.2 ~ 1.9
+1.4 ~ 1.5		35			
+1.2 ~ 1.3	+0.6 ~ 0.7	36	37		
+1.0 ~ 1.1		37			
+0.8 ~ 0.9	+0.4 ~ 0.5	38	38	12	+0.4 ~ 1.1
+0.6 ~ 0.7		39			
+0.4 ~ 0.5	+0.2 ~ 0.3	40	39		
+0.2 ~ 0.3		41			
−0.1 ~ +0.1	−0.1 ~ +0.1	42	40	11	−0.4 ~ +0.3
−0.3 ~ 0.2		43			
−0.5 ~ 0.4	−0.3 ~ 0.2	44	41		
−0.7 ~ 0.6		45			
−0.9 ~ 0.8	−0.5 ~ 0.4	46	42	10	−1.2 ~ 0.3
−1.1 ~ 1.0		47			
−1.3 ~ 1.2	−0.7 ~ 0.6	48	43		
−1.5 ~ 1.4		49			
−1.7 ~ 1.6	−0.9 ~ 0.8	50	44	9	−2.0 ~ 1.1
−1.9 ~ 1.8		51			
−2.1 ~ 2.0	−1.1 ~ 1.0	52	45		
−2.3 ~ 2.2		53			

(Lens value input vs. test command input)

(5) Adjusting the Lateral Magnification

The lateral magnification should be adjusted in the following cases:

- When the main PWB is replaced.
- When the RAM in the main PWB is replaced.
- When self diag U2 occurs.
- When the mirror motor is replaced.

Change the mirror base scan speed to adjust the lateral magnification ratio.

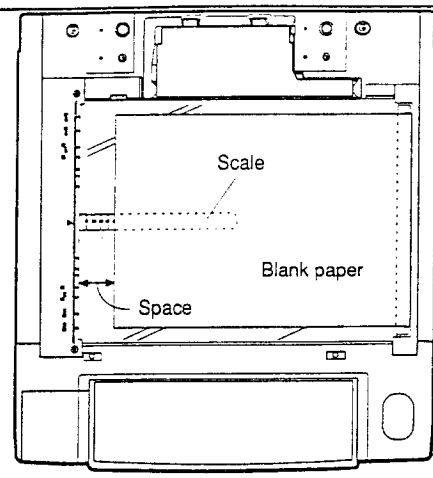
① Set a scale on the original table as shown in the figure and perform Simulation 48-02.
The machine starts the warm-up cycle and the ready lamp is lit. At the same time a preset value (ranging from 15 to 35) is indicated.
Now take a full-size copy of the scale and determine the correction factor for lateral magnification according to the following expression:
Correction factor for lateral magnification = [(original size – copy size)/original size] x 100 (%)

② Use the correction factor to change the indicated value:
Value to be input = (preset value) + (correction factor for lateral magnification(%)) x 10
- Eg.1: 35 = 25 + 1 x 10
- Eg.2: 15 = 25 + (–1 x 10)

When a new value is typed and the print switch is pressed, the new value is stored in memory and the ready lamp goes off.

③ Clear Simulation 48-02.

Note: In Simulation 48-02 the correctable range of the preset value is limited from15 to 35.



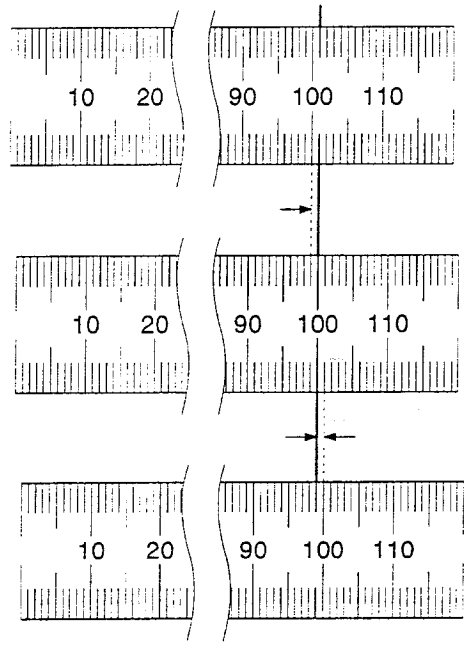
SIMULATION NO.48-✳
1. FRONT/REAR MAGNIFICATION RATIO ADJUSTMENT
2. PAPER TRANSPORT DIRECTION MAGNIFICATION RATIO ADJUSTMENT

PAPER TRANSPORT DIRECTION MAGNIFICATION RATIO ADJUSTMENT
(5 - 20 - 35)

Eg.1:
Copy A, of which length is shorter than original

Scale(original)

Eg.2:
Copy B, of which length is longer than original



(6) Inputting the Lens Travel Correction Value

(Simulation 26-08, 26-09)

<Inputting the lens characteristics>

The lens varies in focal length for each machine. The lens travel is required to correspond to the focal length of the lens. If the lens travels at a magnification would be constant among the machines in spite of the focal length irregularity, the magnification could vary depending on this irregularity.
To avoid this problem, we have prepared the table showing focal length ranks of lens and correction data (see the next page) which can be stored in memory at the time of Simulations described below. In order to copy properly at a magnification, the lens travel corresponding to its focal length is calculated on the basis of the stored data.

<When lens is replaced>

① Set correction data according to the "focal length ranks of lens and correction data" table at following Simulation:
[C] → [=⌟] → [0/⌟] → [=⌟] → [2] → [6] → [PSW] → [9] → [PSW] to perform Simulation 26-09.

When the ready lamp is lit, a preset value (ranging from 1 to 21) is indicated.

② Input a new preset value.
Eg.: When a value shown on lens is +1.2, a correction value to be input is 14 according to the table.

[C] → [=⌟] → [0/⌟] → [=⌟] → [2] → [6] → [PSW] → [8] → [PSW] to perform Simulation 26-08.

⑤ Perform Simulation 48-01 [=J].
[C] → [=J] → [0/◊] → [=J] → [4] → [8] → [PSW] → [1] → [PSW] causes a preset value of longitudinal magnification to be indicated.

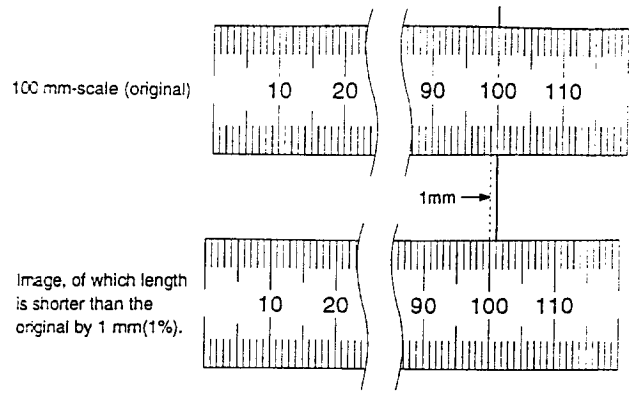
⑥ Determine a preset value of longitudinal magnification according to the following expression:
Preset value of longitudinal magnification = previous preset value(indicated at step ⑤) + [correction factor for longitudinal magnification x 10]
Eg.: Preset value = 25 + [1 x 10] = 35

⑦ Type the preset value of longitudinal magnification:
[ ] → [ ] → [PSW]
Changing the preset by "1" provides the magnification change of 0.1 %.

⑧ Take a full-size copy of the scale and compare the image length with the scale length.

⑨ The image length must be the same as the scale length. Otherwise, repeat the above steps ① to ⑧ until this requirement is met.

⑩ Press the clear all key to clear Simulation 48.



(4) Adjusting the Resolution

① Perform Simulation 48-01 to check that a preset value corresponds to a focal length of lens used:
[C] → [0/◊] → [0/J] → [=J] → [4] → [8] → [PSW] → [1] → [PSW].
When the ready lamp is lit, a preset value is indicated.

② If no preset value exists, set a reference value according to (2)"Adjusting the reference position of 4. and 5. mirror". Then take a copy of "UKOG-0089CSZZ" and check the resolution.

③ When changing a preset value:
[ ] → [ ] → [PSW].

Checking Procedure
After adjusting the reference position of 4. and 5. mirror, check as follows:

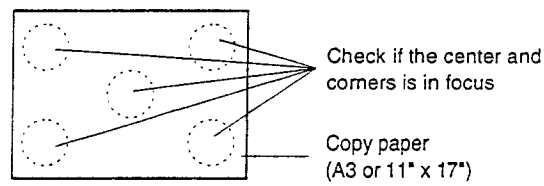
① Set the test chart UKOG-0089CSZZ or a resolution test chart on the original table.

② Take a full-size copy.

③ Check if the center and corners of the copy paper is in focus.

④ The resolution must be at least 5.0 lines/mm in the center and 4.5 lines/mm in the corners. Otherwise, repeat the steps ② to ④ of (2) while changing the preset value by 1 at a time, until this requirement is met.

Applied Material: UKOG-0089CSZZ (Test chart)

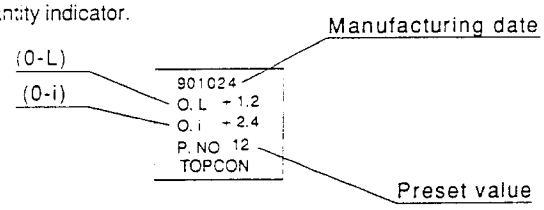


SIMULATION NO.48-*
1. FRONT/REAR MAGNIFICATION RATIO ADJUSTMENT
2. PAPER TRANSPORT DIRECTION MAGNIFICATION RATIO ADJUSTMENT

FRONT/REAR MAGNIFICATION RATIO ADJUSTMENT
45MB:
LENS:

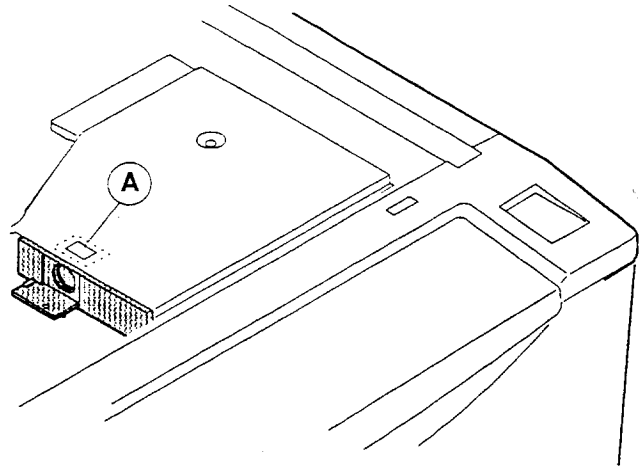
(1) Adjusting the Reference Position of Lens

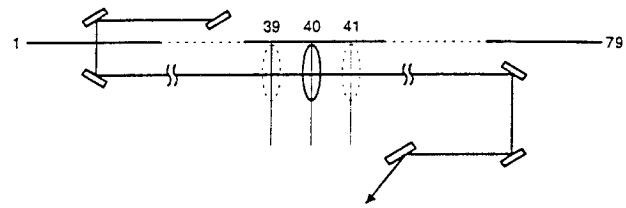
A reference value depending on lens characteristics must be input for adjusting the reference position of lens.
(This value determines the home position of lens).
(Procedure)
Perform Simulation 48-01 [=J] .
[C] → [=J] → [0] → [=J] → [4] → [8] → [PSW] → [1] → [PSW] causes a preset value or "40" to → be shown on the copy quantity indicator.



Label contents

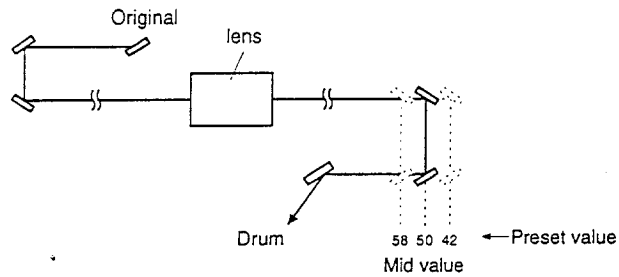
Substitute the value (irregularity of distance between original and lens ⇒ −3.9 to +3.9) on the label applied on A shown in the right figure. for "0-L" of the expression "O-L" is the value on label.
40 − [(0 − L) x 5] = reference value for correction
and type the result.
Eg.: If the result (reference value for correction) is 1.2 ;
40 − (1.2 x 5)= 34 value to be input





(2) Adjusting the Reference Position of 4. and 5. Mirror

A reference value corresponding on lens characteristics must be input also for adjusting the reference position of 4. and 5. mirror.
(This value determines the home position of 4. and 5. mirror base).
(Procedure)
Perform Simulation 48-01 [=J] .
[C] → [=J] → [0] → [=J] → [4] [8] → [PSW] → [1] → [PSW] causes a preset value or "42" to be shown on the copy quantity indicator.
Substitute the value described above for "0-i" of the expression
42 x [(0 − i) x 5]= reference value for correction and type the result.
Eg.: If the result (reference value for correction) is 2.4 ;
42 − (2.4 x 5) = 32 value to be input
If the preset reference value is larger than the mid value "42", the 4. and 5. mirrors are set further away from lens.
If the preset reference value is smaller than mid value "42", the mirrors are set closer to lens.



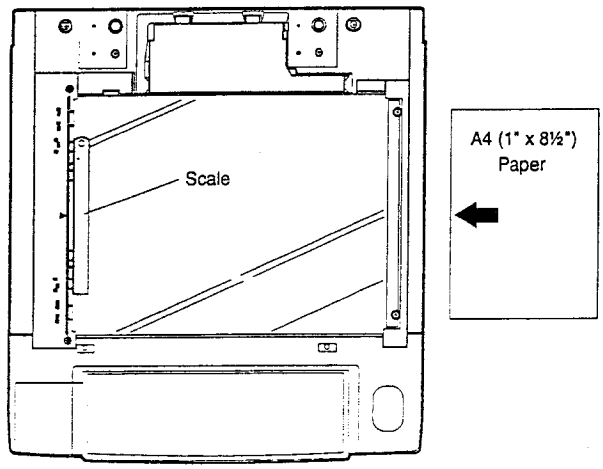
* To select inputs for No.4/5 mirror reference position and the lens reference position adjustment [7]-3-(1), use [➡] key (scrol display key). The previously set figures are displayed on the LCD.

(3) Adjusting the Longitudinal Magnification

This adjustment must be done while the mirror bases A, B and C are in parallel with each other and the lens is focalized.

- When the lens home position sensor (LHPS) is moved or replaced.
- When the lens is replaced.
- When the mirror base is moved or replaced.
- When the main PWB is replaced.
- When self diag U2 occurs.
- When RAM in the main PWB is replaced.

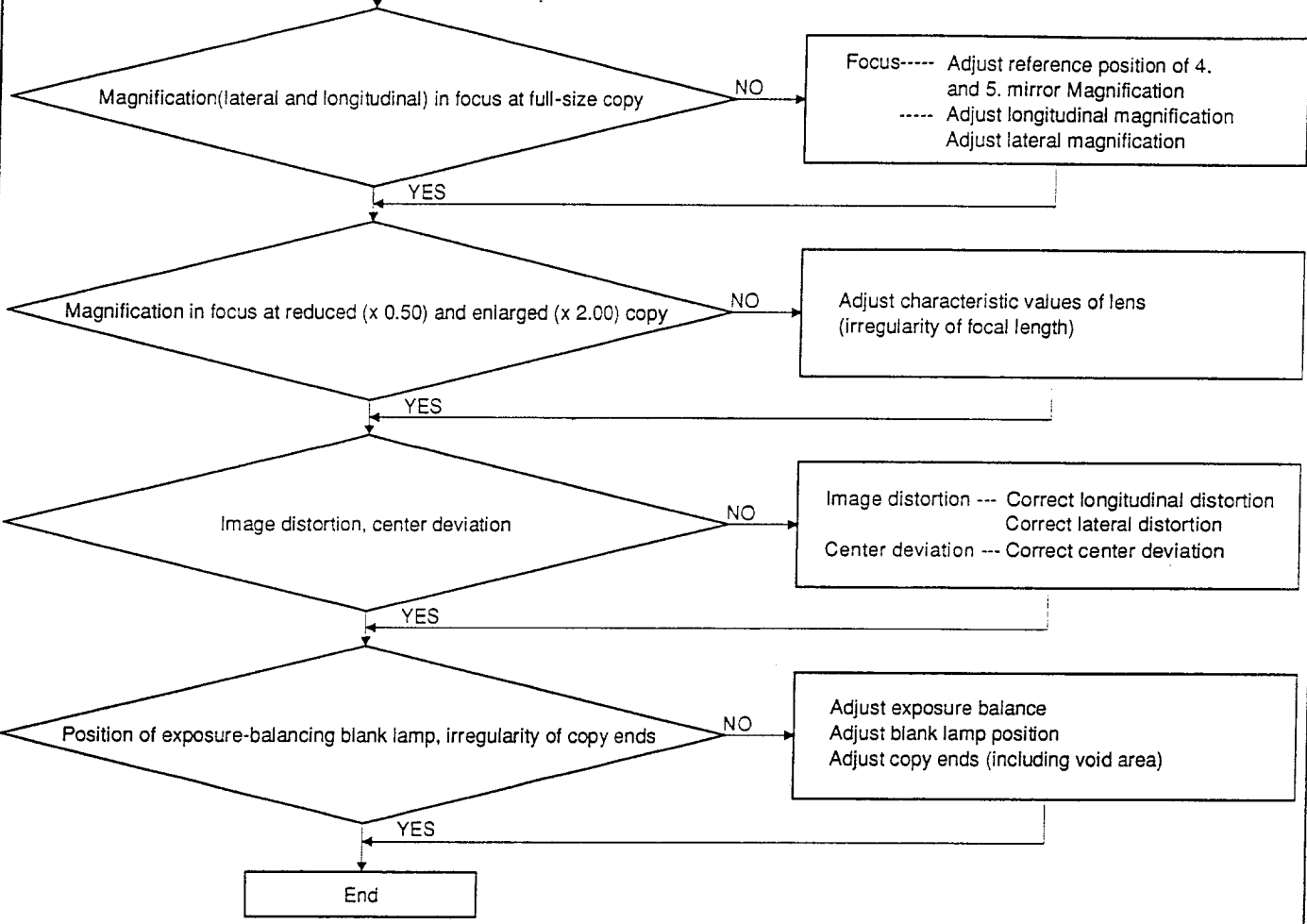
① Set a scale on the original table as shown in the right figure.
② Take a full-size copy of the scale using an A4-size(11" x 8.5") paper.
③ Compare the image on the paper with the scale.
④ Determine the correction factor for longitudinal magnification according to the following expression:
Correction factor for longitudinal magnification
$= \frac{\text{original size} - \text{copy size}}{\text{original size}} \times 100\ (\%)$
Eg.: Correction factor for longitudinal magnification
$= \frac{100 - 99}{100} \times 100 = 1$



3. Optical System

The optical system must be adjusted according to the following flowchart:

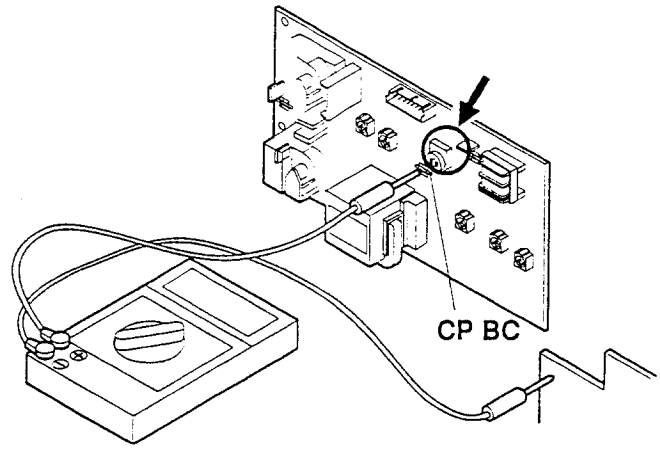
Check the following preset values depending on the focal length of lens (lens number):
- Reference position of 4. and 5. mirror Reference position of lens. ····· Simulation 48-01
- Reference position of 4. and 5. mirror ····· Simulation 48-01
- Lateral magnification ····· Simulation 48-02
- Lens characteristics ····· Simulation 26-09, 26-08


Magnification(lateral and longitudinal) in focus at full-size copy
NO
Focus----- Adjust reference position of 4. and 5. mirror Magnification
----- Adjust longitudinal magnification
Adjust lateral magnification
YES
Magnification in focus at reduced (x 0.50) and enlarged (x 2.00) copy
NO
Adjust characteristic values of lens (irregularity of focal length)
YES
Image distortion, center deviation
NO
Image distortion --- Correct longitudinal distortion
Correct lateral distortion
Center deviation --- Correct center deviation
YES
Position of exposure-balancing blank lamp, irregularity of copy ends
NO
Adjust exposure balance
Adjust blank lamp position
Adjust copy ends (including void area)
YES
End

* The exposure balance, blank lamp position and copy ends can be separately adjusted. But items other than these must be adjusted according to the steps shown in the above flowchart.

E. Adjusting the Separation Charger Output

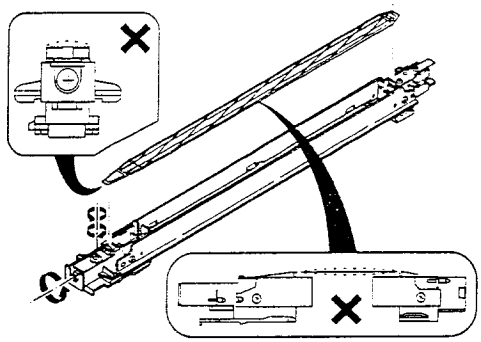
① Attach the developing unit and the drum holder unit to the machine and turn on the machine.
(Do not use the electrode sheet).
② Attach the separation charger unit and drum holder unit to the machine. The machine should have all the charger units installed.
③ Remove the rear cover.
④ Connect the digital multimeter to the SHVG output check pin(CP-BC).
⑤ Set the measuring range of the digital multimeter to DCV.
⑥ Turn on the door switch manually.
⑦ Perform Simulation "8-07". (The SHVG will goes on for approx. 30 seconds).
⑧ During the simulation, adjust the SHVG output control VR501 so that the output monitoring voltage (bias) CP-BC of the separation charger is 0±10 Vdc.



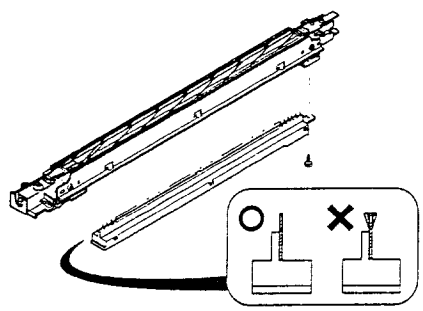
(3) Notes on maintenance for high-voltage units

A. Electrostatic Charger Unit

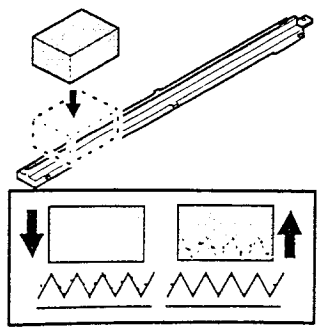
① Do not distort nor stain the screen grid during handling. Be sure that the screen grid is secured in place.



② The teeth of the saw-tooth assembly must be free of distortion.

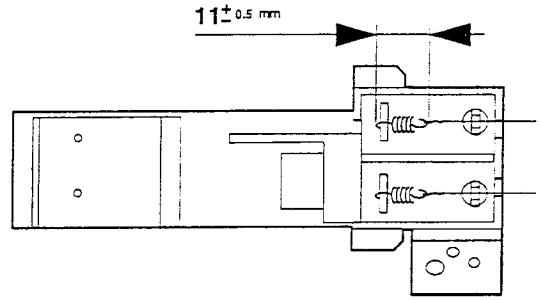


③ Do not touch the inside of the MC case(saw-tooth assembly side), the screen grid, and the saw-teeth.
④ The saw-teeth should be cleaned with foam polystyrene as shown in the figure.

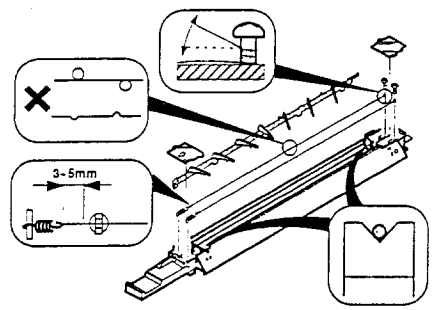


B. Transfer/Separation Charger Unit

① The charger spring must be 11±0.5 mm in length.



② The charger wire must be free of distortion and fitted in the holder groove.



③ The charger case must be free of oil, grease and foreign matter.
④ The wire must be cleaned with alcohol.

C. Checking the Electrostatic Main Charger Current

The drum current difference(balance) between the sides of front and rear frame is checked.

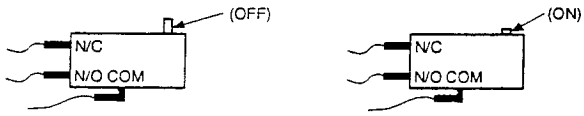
① Perform steps.

② Clean the saw-tooth plate of the main charger with foam polystre and attach the main charger to the machine.
(Do not attach the transfer/separation charger).
Manually turn on the door switch.

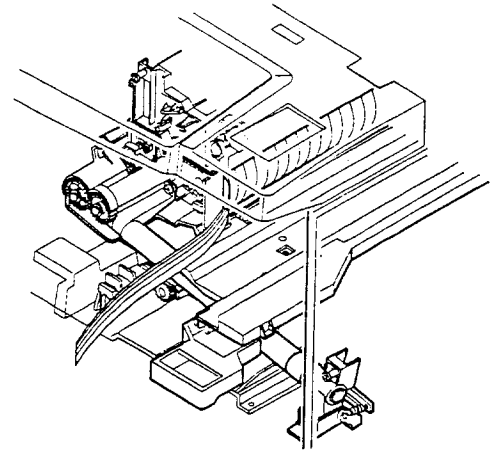
③ Measure the drum current on the sides of front and rear frame. The difference in current between the front and rear frame must be 8.0 μA or less.

a. Turn on the main switch and perform Simulation "8-02". (MGVG will be ON for approx. 30 seconds.)

b. Measure the drum current on the front and rear frame side.
- If the microswitch is OFF, the drum current on the side of front frame is indicated.
- If the microswitch if ON, the drum current on the side of rear frame is indicated.



c. Check that the difference in current between both sides is 8.0 μA or less. If the difference is more than 8 μA, replace the charger unit.



D. Adjusting the Electrostatic Main Charger Grid Voltage

① Turn off machine. Attach the developing unit and the drum holder unit to the machine.
(Do not use the electrode sheet).

② Attach the main charger unit to the machine. The machine should have all the charger units installed.

③ Turn on the main switch and check the grid voltage using Test command 44-11.
The grid voltage is displayed in two digits on the copy quantity display. The display changes in the sequence of N → TSM → P mode when the message feed key is pressed.

Mode	Figure	Grid voltage
Normal	56	–875V
TSM	52	–710V
Photo	50	–560V

GB_NOM (Normal mode)
Set value: 56 = 875V output
To decrease the measurement voltage, make the set value smaller. (1 step: 4V)
To increase the measurement voltage, make the set value greater.

GB_TS (TSM mode)
Set value: 52 = 710V output
To decrease the measurement voltage, make the set value smaller. (1 step: 4V)
To increase the measurement voltage, make the set value greater.

GB_POTO (Photo mode)
Set value: 50 = 560V output
To decrease the measurement voltage, make the set value smaller. (1 step: 4V)
To increase the measurement voltage, make the set value greater.

(Measure at check point CP-GB)

④ Remove the rear cover.

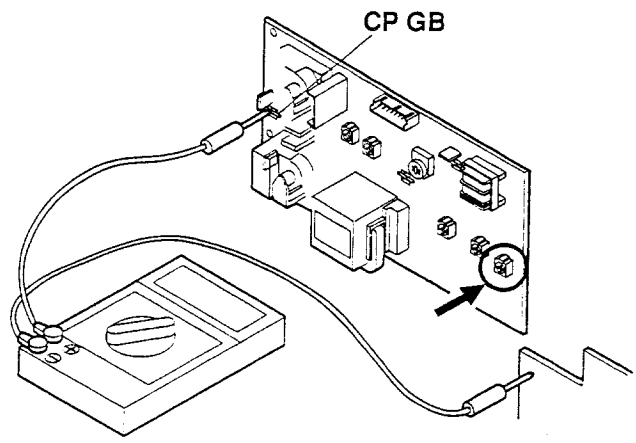
⑤ Connect the digital multimeter to the grid voltage check pin(CP-GB).

⑥ Set the measuring range of the digital multimeter to DCV.
(Use the digital multimeter with measuring range of up to 1000 Vdc).

⑦ Turn on the front cover switch manually.

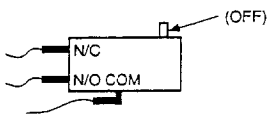
⑧ There is another method to check the grid votage as follows:
Turn on the main switch, and adjust the output adjusting control so that output voltage values in Simulation "8-02"(normal mode), "8-03"(photo mode) and "8-04"(TSM mode) are as follows:

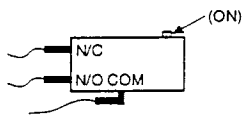
TEST POINT CP-GB	Output Voltage
Normal mode	–875±15 Vdc
TSM mode	–710±15 Vdc
Photo mode	–560±15 Vdc



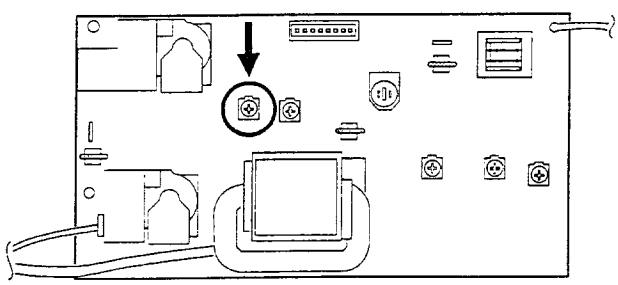
B. Adjusting the Transfer Charger Current

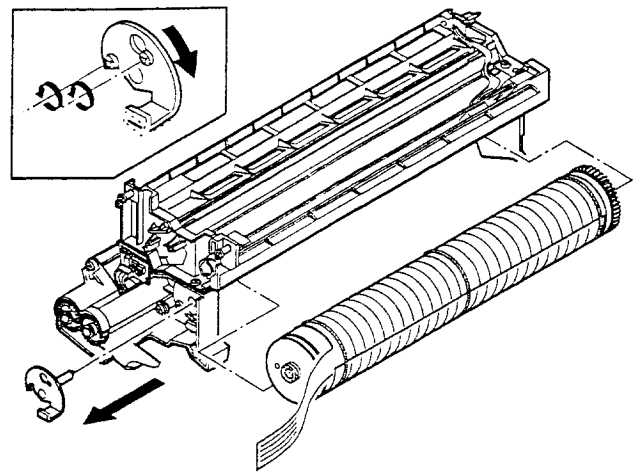
① Remove the developing unit, transfer/separation charger unit, main charger unit and waste toner bottle from the machine.
② Remove the processing unit from the machine.
When removing (attaching) the processing unit, do not grasp the toner feed pipe.
③ Remove the photoreceptor drum from the processing unit and mount the electrode sheet on the drum using adhesive tape.
④ Install the photoreceptor drum into the processing unit and attach the processing unit to the machine.
⑤ Attach the drum holder unit to the machine in the manner which allows drawing the lead of the electrode sheet from the developer tank side.
⑥ After cleaning the transfer charger wire, attach the transfer/separation charger unit to the machine. (Do not attach the main charger unit).
⑦ Connect the electrode sheet to the digital multimeter (or an ampere meter).
Manually turn on the door switch.
⑧ Measure the drum current on the sides of front and rear frame. The difference in current between the front and rear frame must be 6.0 μA or less.
a. Turn on the main switch and perform Simulation "8-06". (THVG will be ON for approx. 30 seconds)
b. Measure the drum current on the front and rear frame side.
- If the microswitch is OFF, the drum current on the side of front frame is indicated.
- If the microswitch if ON, the drum current on the side of rear frame is indicated.

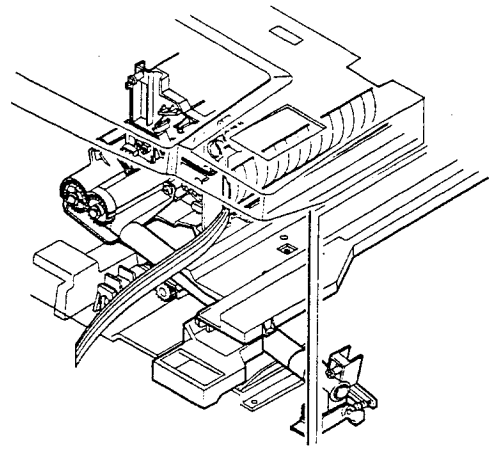


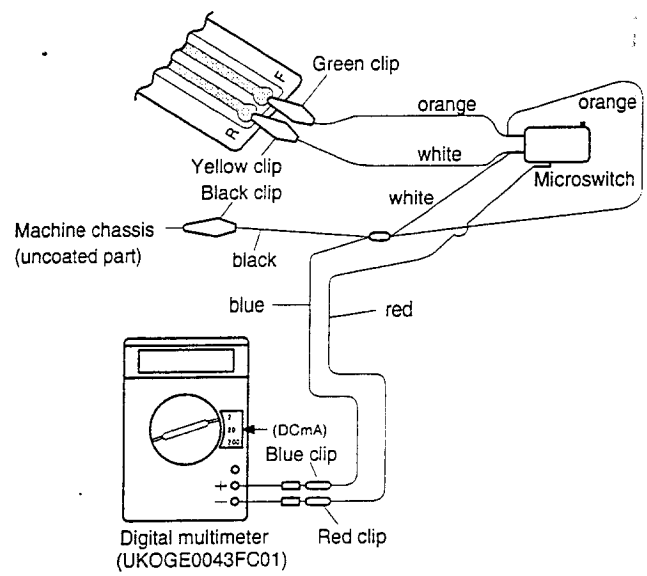


c. Check that the difference in current between both sides is 6.0 μA or less. If the difference is more than 6 μA, replace the charger unit.
⑨ Adjust the THVG output voltage:
a. Turn on the main switch and perform Simulation "8-06". (THVG will be ON for approx. 30 seconds)
b. Use the THVG output control VR201 to adjust the THVG output voltage until it becomes –41±4 μA.







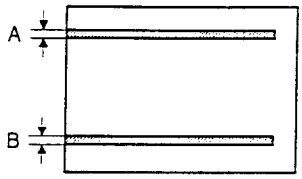


Note: Make sure the black clip is grounded at the machine chassis.
When using UKOGE0043CS01:
Control 1: set to DCmA
Control 2: set to 2
Red clip : connected to ⊕
Blue clip: connected to ⊖
When using a d.c. ampere meter:
Red clip : connected to ⊖ of d.c. ampere meter
Blue clip: connected to ⊕ of d.c. ampere meter

2. Processing Unit

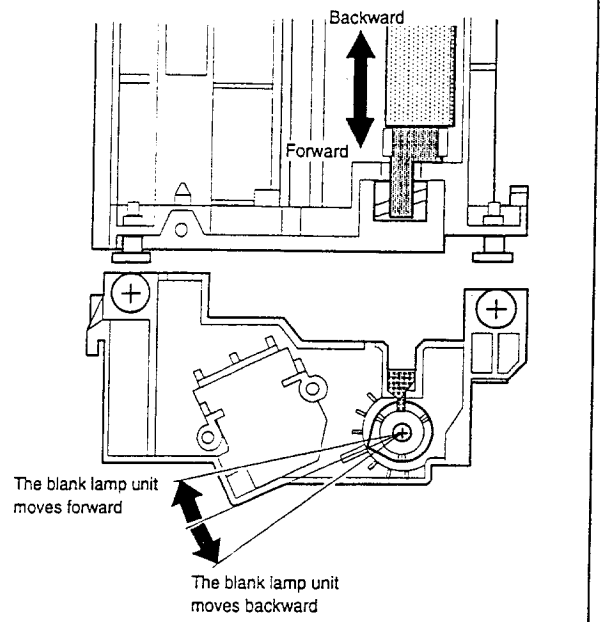
(1) Adjustment of Blank Lamp Position

① Check that the center deviation is 2.0mm or less. (If the center deviation is more than 2.0 mm, correct it).
② Set an A3(11x17)-size blank original on the original table, and with the original cover opened, make a reduced (x 0.64) copy using an A3 (11 x 17) paper.
③ Measure the width of solid areas. If the width is more than 1 mm, adjust the blank lamp unit position so that the width of the solid areas is 1 mm or less.



IA-BI ≦ 1mm

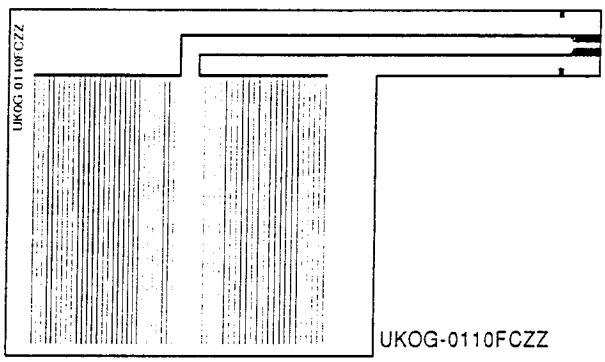
1 notch of the adjusting cam : lamp movement 0.5 mm
Half notch of the adjusting cam : lamp movement 0.25 mm



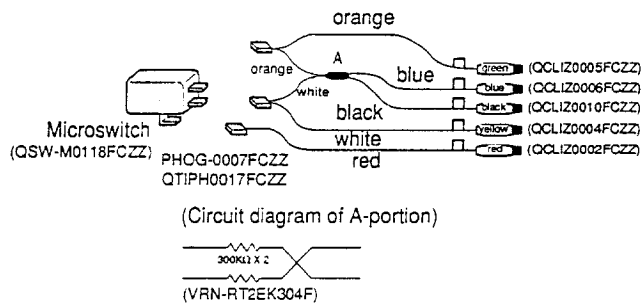
(2) Adjustment of High-Voltage Output Balance

A. Applying the Special Measuring Tool

Electrode sheet (UKOG-0110FCZZ)



Electrode sheet harness (DHAI-0304FCZZ)



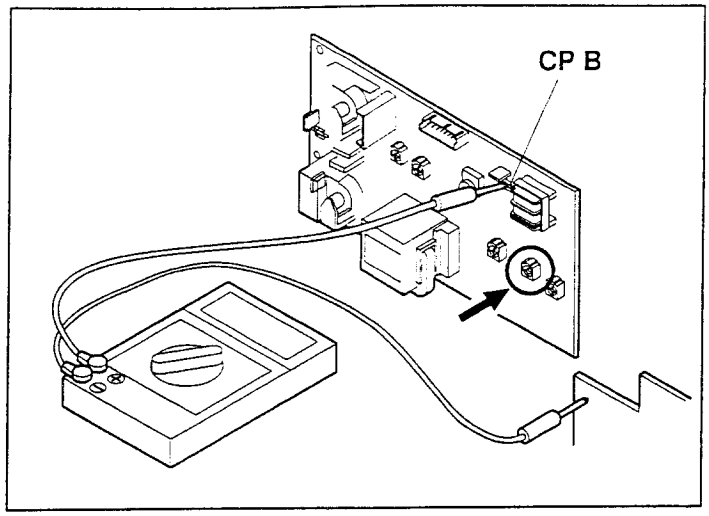
(Circuit diagram of A-portion)

Digital multimeter (or ampere meter)
Note: use a multimeter with measuring range of 0 to 100 μA and error of ±1% or less.

(3) Developing Bias Adjustment

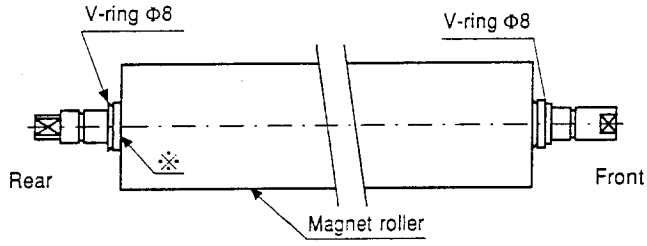
Tool: UKOGE0043CS01 (Digital multimeter)

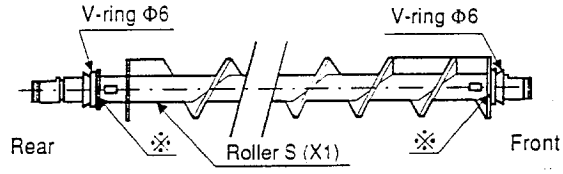
① Set the measuring range of the digital multimeter to 300 Vdc or more.
② Apply the probes to the developing bias output check pin (CP-B) and the chassis(GND) of the high voltage unit.
③ Perform Simulation 8-1. (The developing bias voltage is output for 30 seconds.
④ Adjust VR401 for developing bias control so that the output voltage is –200±10V.

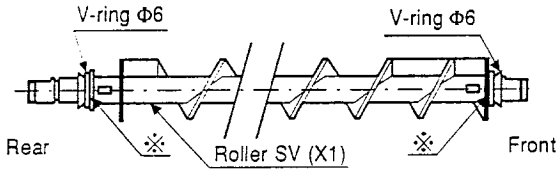


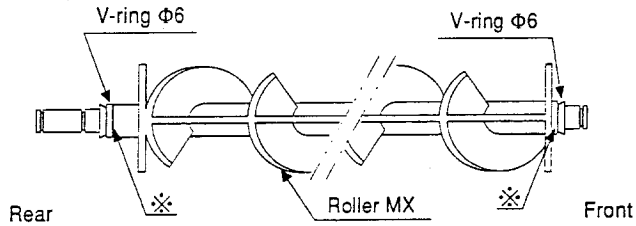
(4) Notes on installing various rollers of the developing unit

(1) V-rings must be attached in the correct direction.
(2) No gap must exist at ※ between the V-ring and the roller.
(3) When attaching ϕ8-ring PRNGP0013FCZZ, ϕ8-ring PRNGP0022FCZZ and ϕ6-ring PRNGP0015FCZZ to the developing magnet roller,
  1) the direction of the V-ring must be as shown in the upper figure, and
  2) no gap must exist at ※ between the V-ring and the roller.



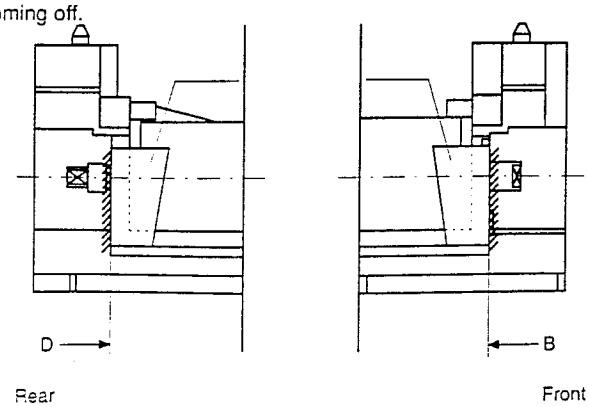


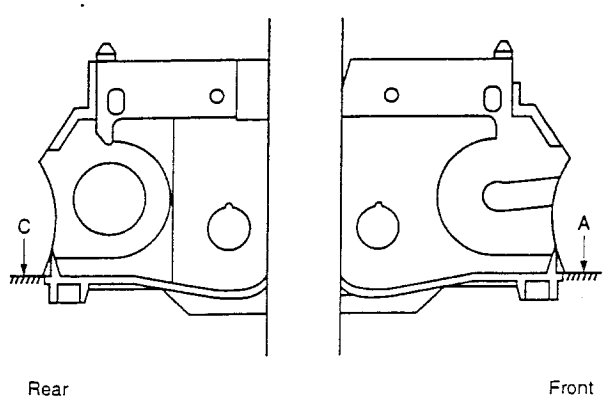




(5) Notes on applying the developing side seals (front and rear)

(1) The side seal must be applied on the surface which is free of oil, grease and foreign matter.
(2) The side seal must be securely attached to prevent it from coming off.





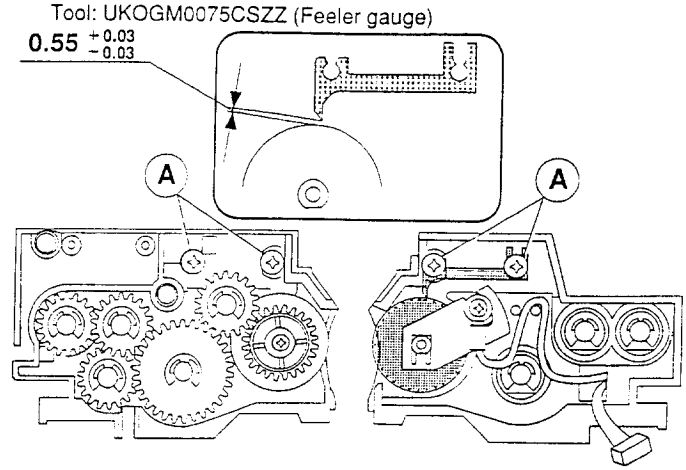
[7] ADJUSTMENTS

1. Developing Unit

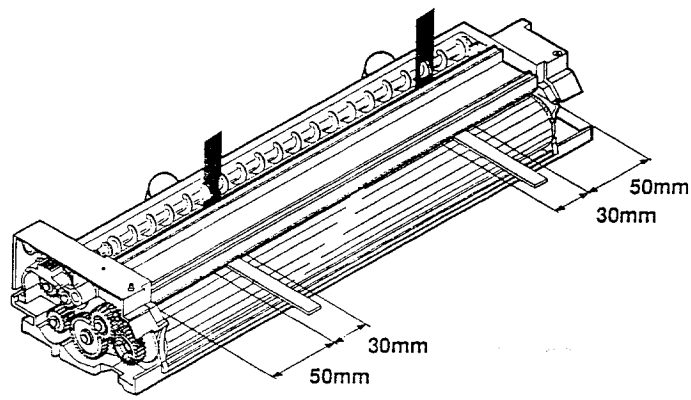
(1) Clearance Adjustment of Developing Doctor Blade

① Remove the 4 screws and the 5-pin connector which connect the developer tank to the toner hopper, and pull out the developer tank.
② Loosen 4 setscrews A of the developing doctor blade.
(2 setscrews on the rear frame side and 2 on the front frame side).
③ Insert the 0.50mm-feeler gauges into the clearance between the developing doctor blade and the magnet roller at the points 50-80 mm away from their both ends.

Tool: UKOGM0075CSZZ (Feeler gauge)

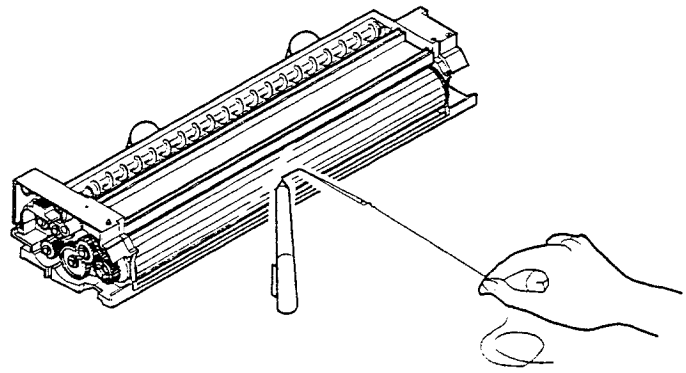


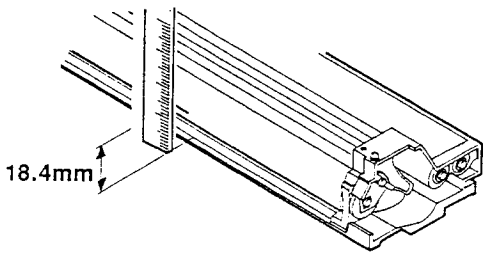
④ While pressing down the developing doctor blade in the arrow direction, tighten the 4 setscrews to secure the developing doctor.
⑤ Check that the clearance between the developing doctor and the magnet roller is $0.55^{+0.03}_{-0.03}$mm at the points 50-80 mm away from the doctor blade ends.
Caution: Do not damage the developing doctor blade or the magnet roller during insertion of the feeler gauge.

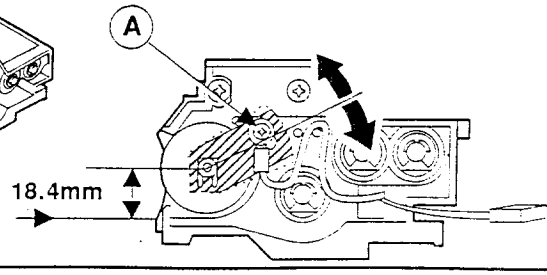


(2) Position Adjustment of Developing Magnet Roller Main Pole

① Remove the 4 screws and the 5-pin connector which connect the developer tank to the toner hopper and remove the toner hopper. Put developing unit on a flat surface.
② Thread a needle or pin as shown in the figure on the right.
③ While holding the thread, bring the needle near the magnet roller. (Do not use a clip because it will not provide an accurate position of the main pole).
④ Use a pen to put a mark on the point of the magnet roller surface to which the needle is attracted.
⑤ Measure the distance from the mark to the reference plane on which the developer tank is placed.
This distance must be 18.4 mm.
If not so, loosen setscrew A of the main pole adjusting plate and move the adjusting plate in the arrow direction to obtain the proper distance.



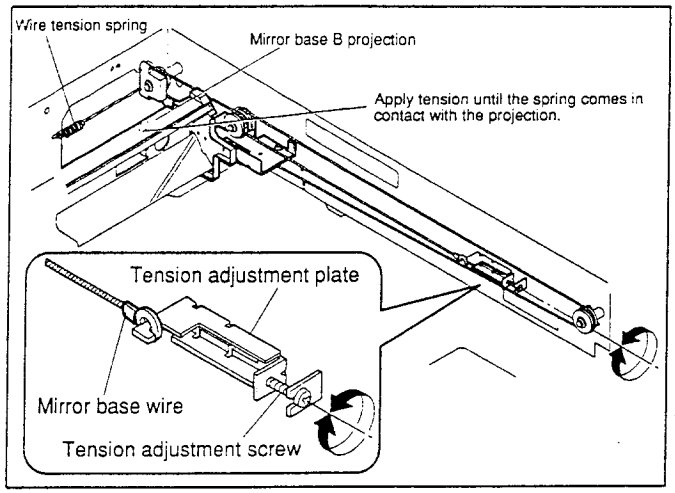




Mirror base wire tension adjustment

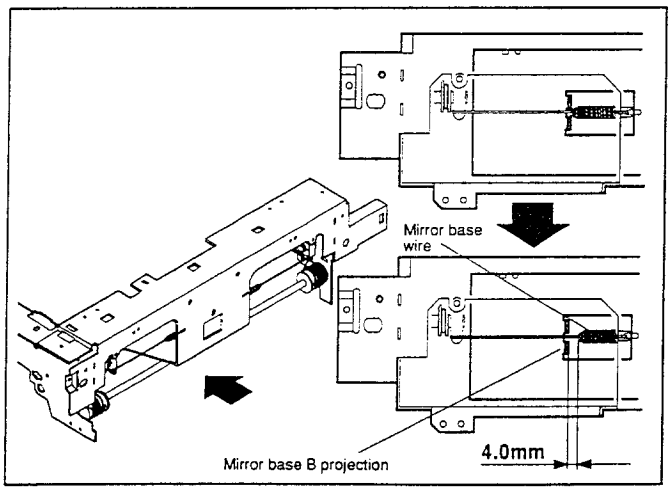
① Manually turn the mirror base drive pulley to shift mirror base B which is at the mirror base positioning plate 20 to 30mm to the paper exit side.

② Turn the mirror base wire tension adjustment screw clockwise to apply tension to the wire until the wire tension spring edge makes contact with the projection of mirror base B.


Wire tension spring
Mirror base B projection
Apply tension until the spring comes in contact with the projection.
Tension adjustment plate
Mirror base wire
Tension adjustment screw

③ manually turn the mirror base pulley to make mirror base B perform full scan a few times, and check that the mirror base wire spring edge is in contact with the projection of mirror base B. If they are not in contact with each other, adjust by turning the tension adjustment screw again. In this case, check also that there are no slack in the wire on the mirror base pulley.

④ Turn the mirror base wire tension adjustment screw 6 turns counterclockwise. (Then the distance between the mirror base wire spring and the projection of mirror base B will be about 4mm.)

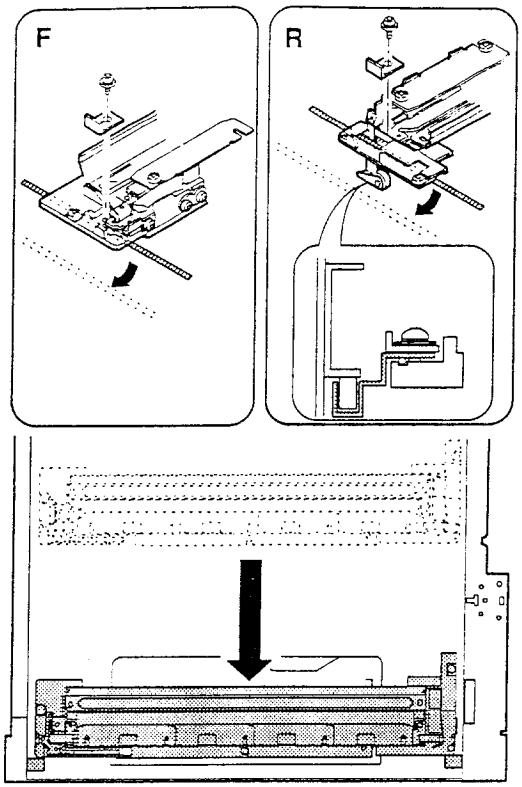


(Perform the same procedures for the front frame side and the rear frame side.)

Copy lamp unit installing position

① Pass the front/rear mirror base drive wire between the copy lamp unit frame and the wire fixing plate.
In this case, do not tighten the wire fixing screw.

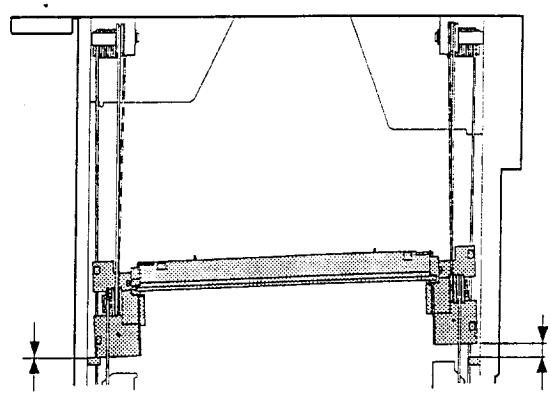
② Press the copy lamp unit onto the positioning plate and tighten the wire fixing plate.

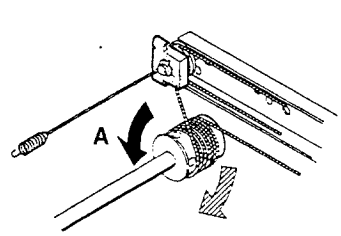


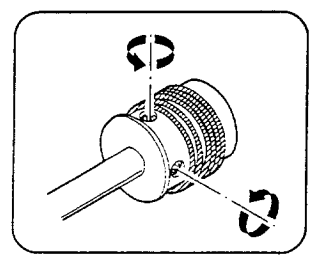
No. 2/3 mirror base unit installing position

This adjustment is to adjust parallelism of the mirror base B to the drum surface and the original surface.

① Manually turn the mirror base drive pulley to bring mirror base B into contact with the mirror base positioning plate. IN this case, when the front frame side and the rear frame side of mirror base B are simultaneously brought into contact with the mirror base positioning plate, the parallelism of mirror base B is proper and there is no need for adjustment.







Mirror base wire stretching

(Preliminary checks)

Check the stop position of the wire winding pulley.

Visually check that the wire grooves of the front/rear wire winding pulleys are at the same level.

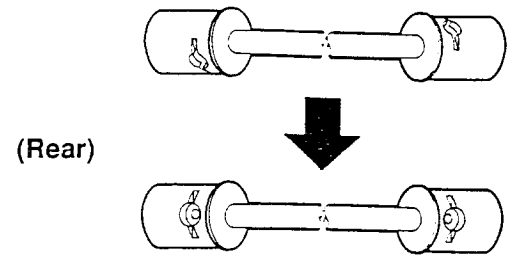
If there is a substantial discrepancy between the two, loosen the two setscrews which are fixing the pulleys and adjust the pulley positions. After adjustment, tighten the setscrews.

① Hang the mirror base wire fixing fixture on the tension adjustment plate hook.

② Fit mirror base B onto the mirror base positioning plates (front/rear). Pass the mirror base wire along the outer groove of the mirror base B pulley.

③ Pass the mirror base wire along the pulley groove in the paper feed side.

④ Pass the mirror base wire under mirror base B and wind it around the winding pulley.
At that time, fix the wire groove section in the winding pulley to the upper position, wind the mirror base wire 9 times, and put the 8th winding in the groove.



The first winding position should be 9 - 10mm toward the body frame from the pulley groove section.

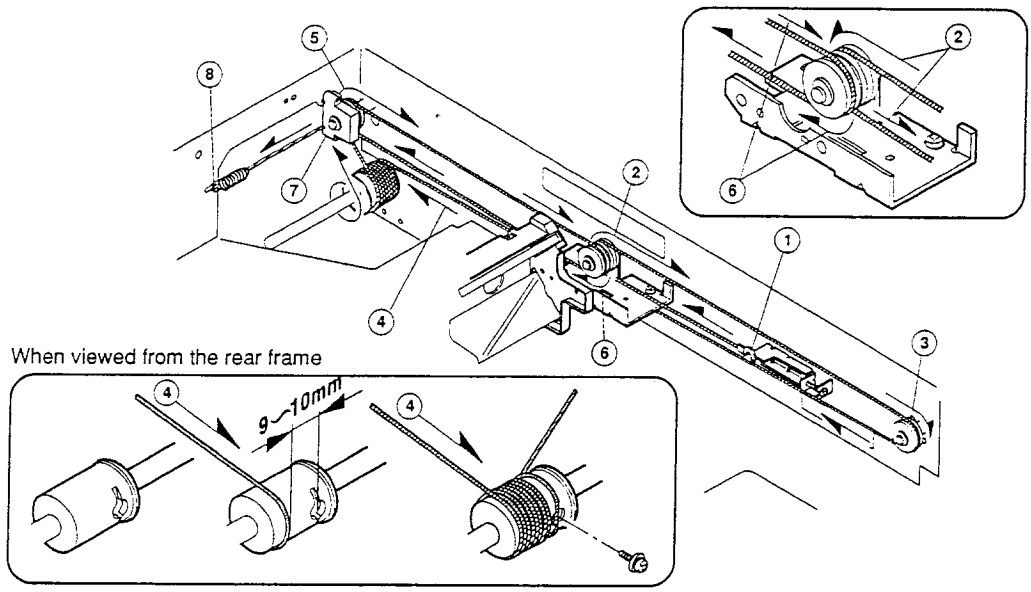
⑤ Pass the mirror base wire along the pulley groove in the paper exit side.

⑥ Pass the mirror base wire along the internal groove of the mirror base B pulley.

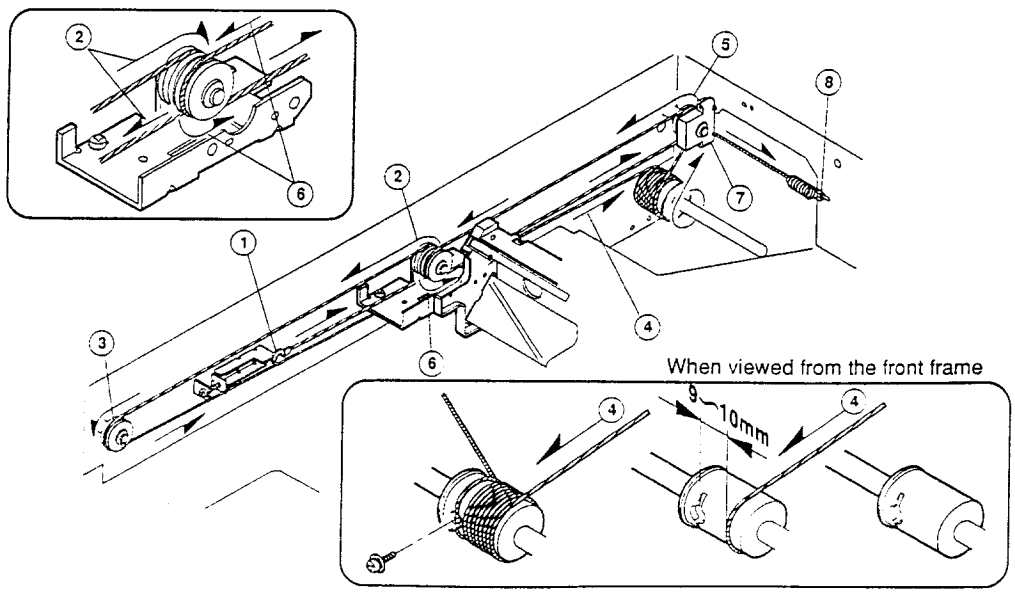
⑦ Pass the mirror base wire through the wire guide.

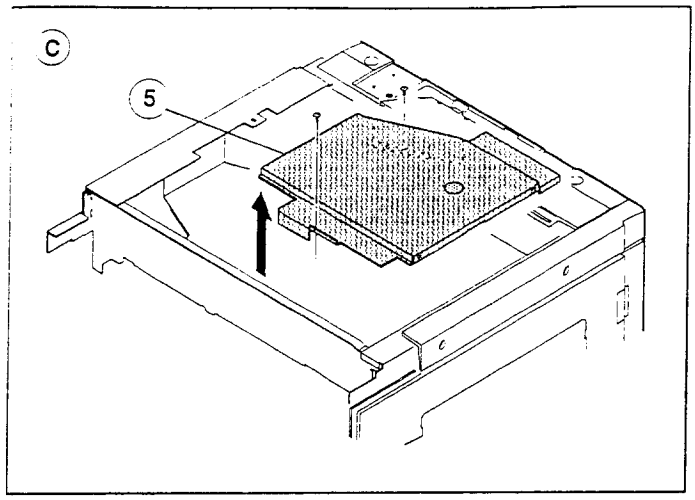
⑧ Attach the mirror base wire tension spring to the long hole in the optical base plate.

(Rear frame side)



(Front frame side)

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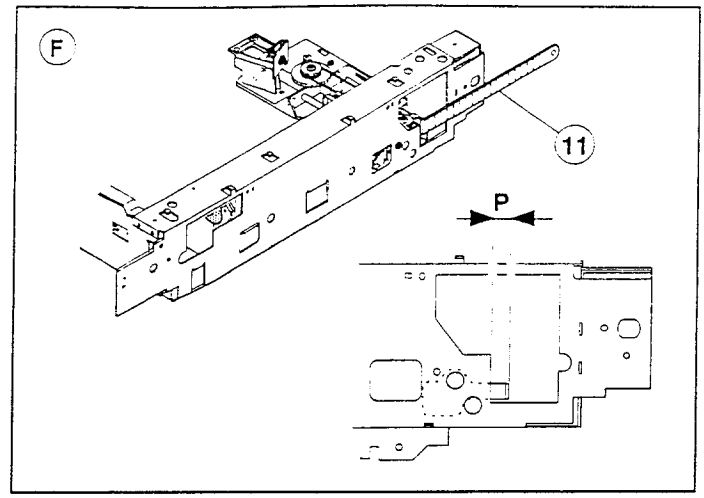
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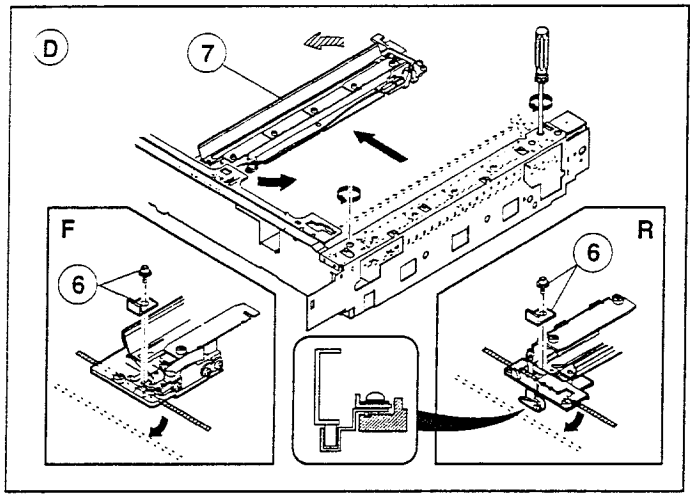
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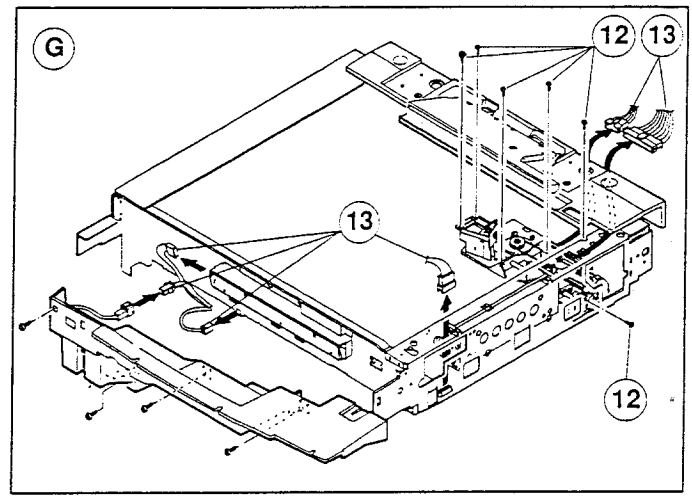
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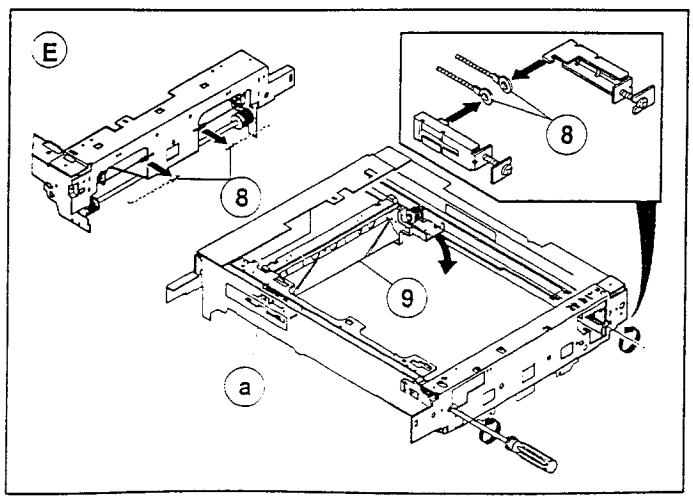
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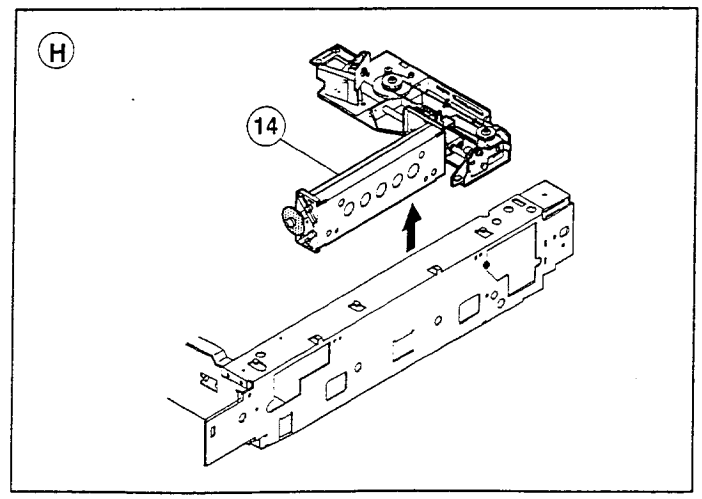
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9. Optical unit

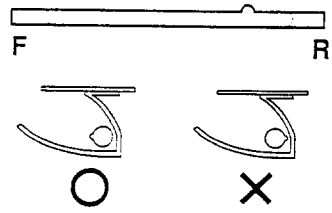
Copy lamp | Copy lamp unit | #2/3 mirror base unit | #4/5 mirror base unit

① Remove the original guides (L, R) and remove the table glass (two each screws).

② Move the copy lamp unit to the cut in the rear of the top cabinet and remove the rear frame side copy lamp electrode holding screw.

③ Remove the copy lamp.

NOTE: Note the direction of the copy lamp.



It must be installed with the bulge of the copy lamp near the rear side, as shown in the figure.

④ Remove the operation panel.
Remove the top cabinet, left.
Remove the left cabinet.

⑤ Remove the upper dark box cover (screw).

⑥ Remove the wire holding plates found on both frame sides of the copy lamp unit, then remove wires from the side plates (F, R).

⑦ Rotate the copy lamp unit to remove.

⑧ Remove the mirror base wire from the #2/3 mirror base unit.

⑨ Move the #2/3 mirror base unit to the square hole (a) on the front side of the optical baseplate, then rotate it to remove.

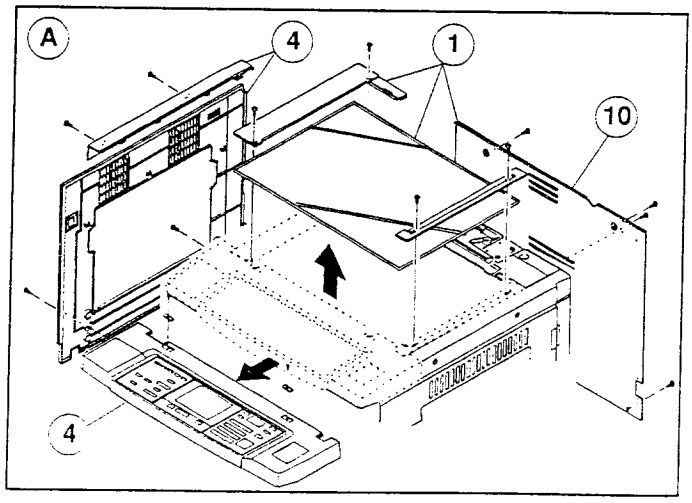
⑩ Remove the rear panel (4 screw).

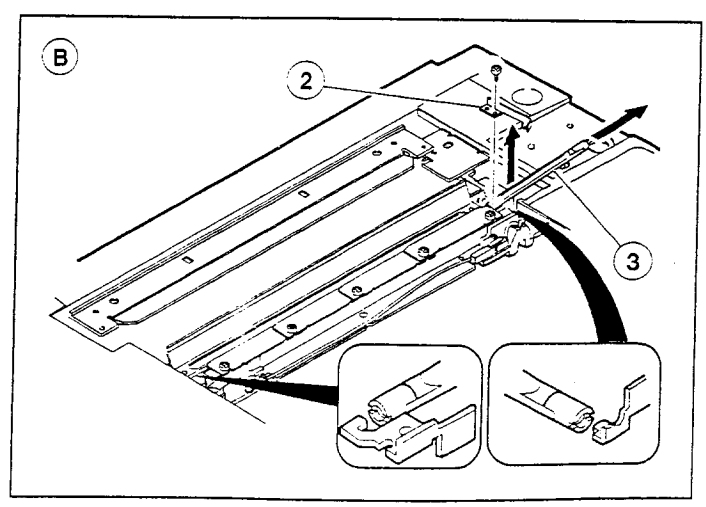
⑪ Record value for assembly.

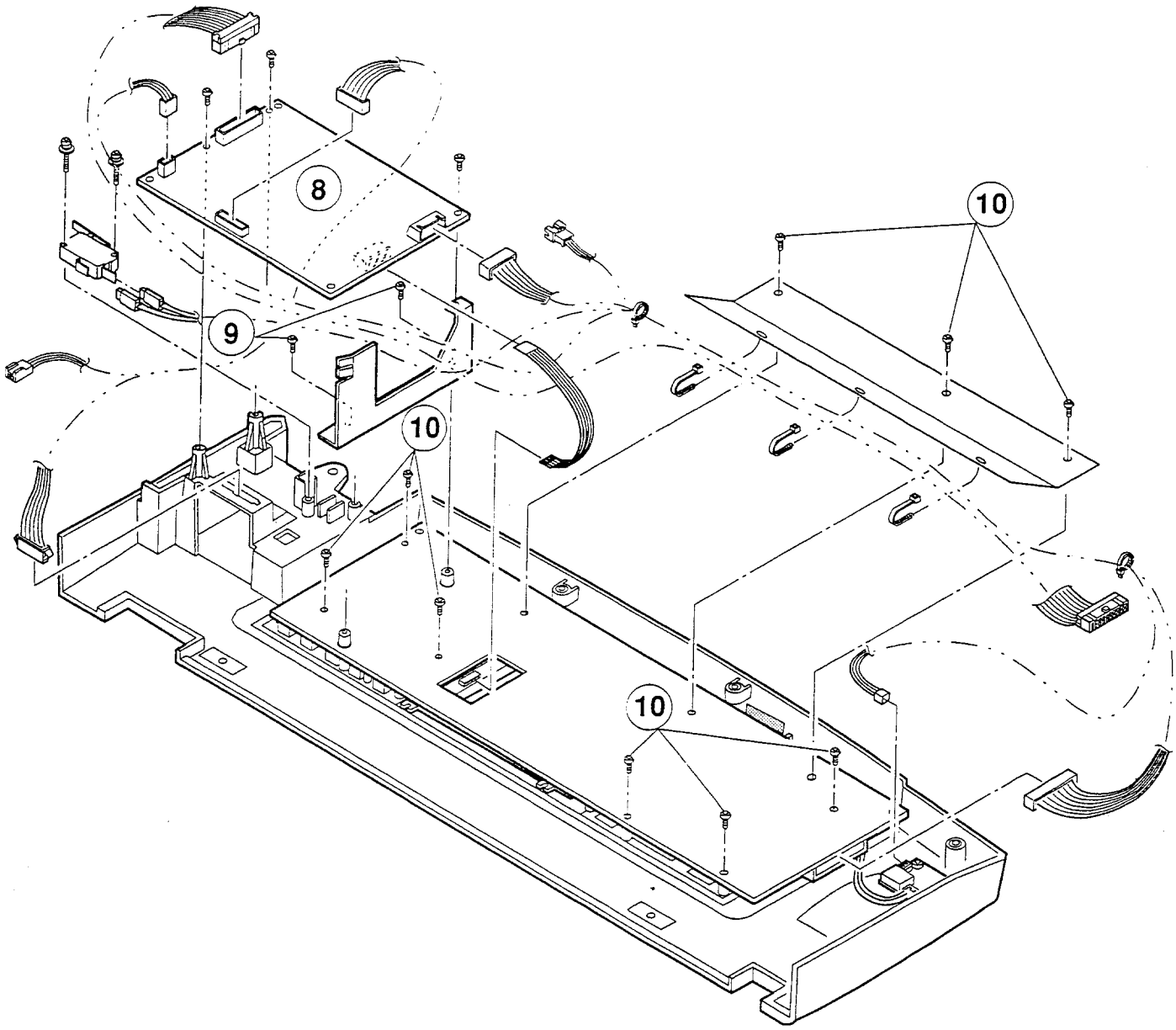
⑫ Remove the #4/5 mirror motor holding bracket (6 screw).

⑬ Remove the optical harness connectors.
Remove the lens motor connectors.
Remove the lens home position sensor connector.
Unfasten the document sensor light receive board connector. Remove the front cabinet switch junction harness.

⑭ Remove the mirror base unit together with the #4/5 mirror motor holding bracket assy.



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8. Operation panel unit and document size sensor board (light receive side)

Operation panel

Document size sensor board light receive side

LCD unit

① Open the front panel.

② Remove the middle panel (5 screws).

③ Remove the glass holding plate and front frame side right and left side screws (5 screws).

④ Remove the screws that hold the magnetic catch plate (one each on two locations).

⑤ Remove the operation panel unit.

⑥ Remove the operation panel from the operation pane unit (15 screws, 6 connectors).

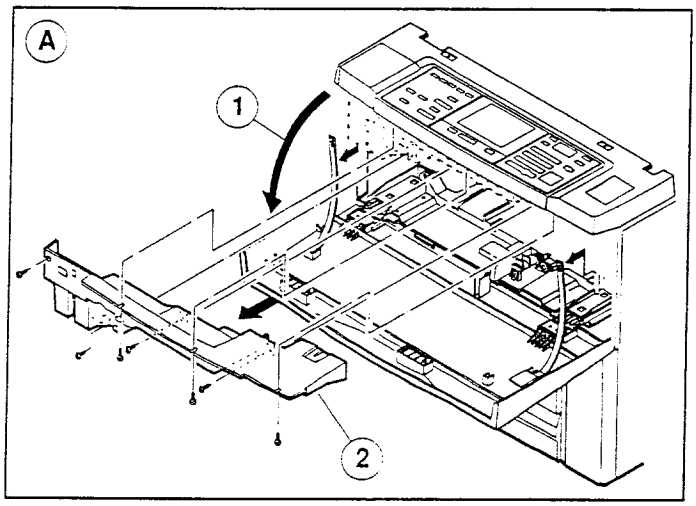
⑦ Remove the document size sensor board (screw).

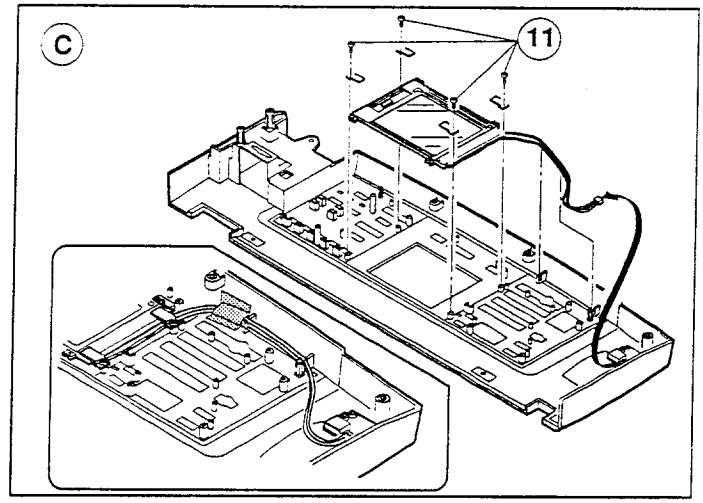
⑧ Remove the LCD control PWB from the operation panel unit (3 screws, 1 connector)

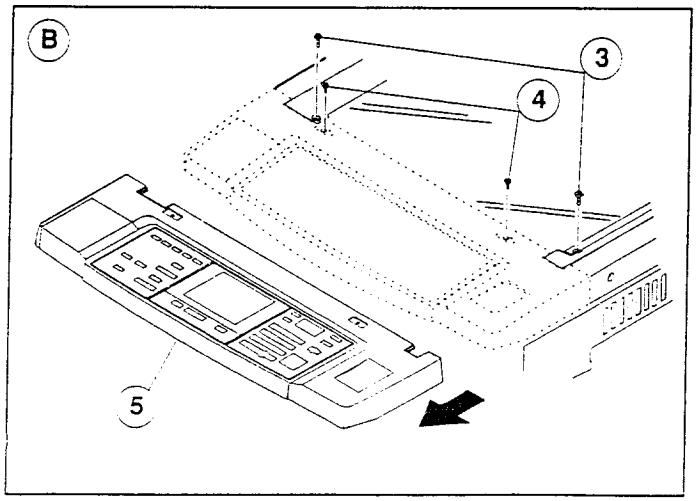
⑨ Remove the LCD control PWB mounting angle from the operation panel unit. (2 screws)

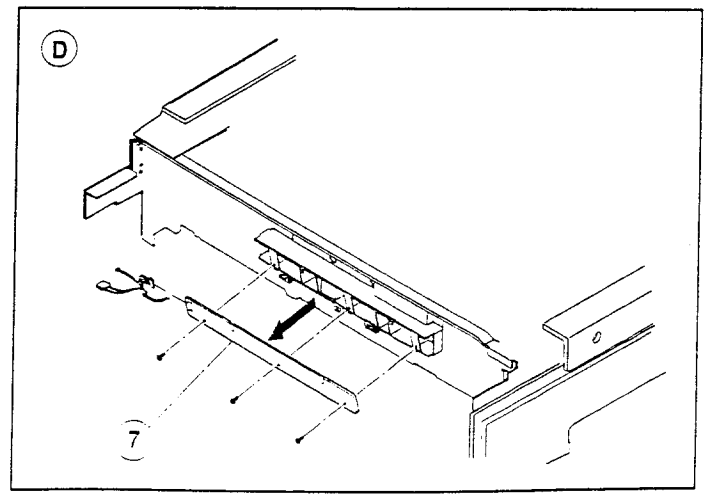
⑩ Remove the operation PWB from the operation panel unit. (9 screws)

⑪ Remove the LCD unit. (4 screws, connector)









AC power supply PWB

DC power supply PWB

Paper exit gate solenoid

① Remove the rear panel of the copier (4 screws).

② Remove the rear side screw of the left side panel (1 screw).

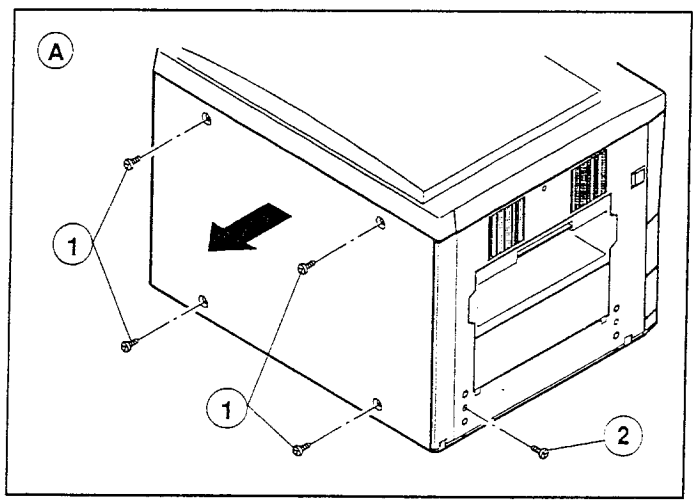
③ Remove the AC power supply board (5 screws, 6 connectors).

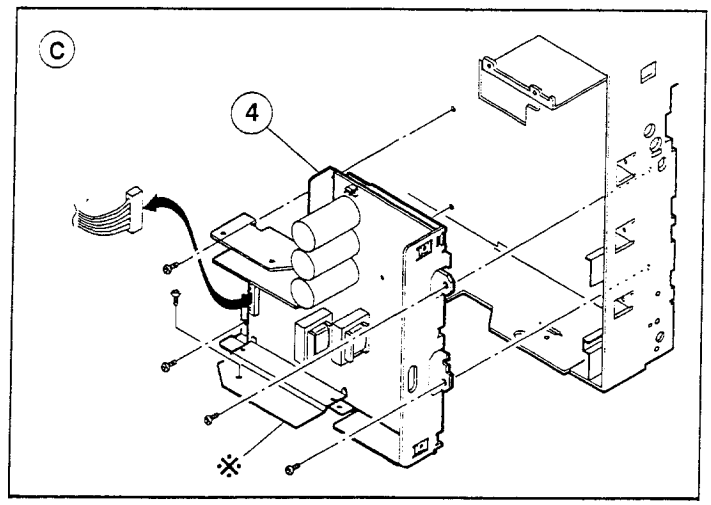
④ Remove the DC power supply PWB (5 screws, 1 connector).

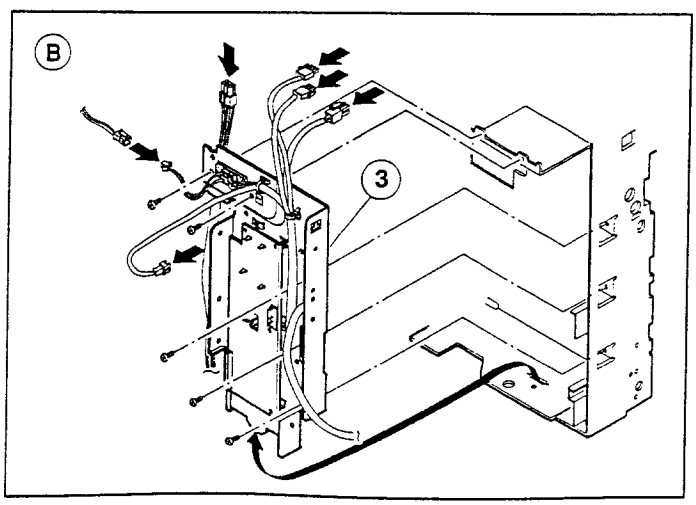
※ DC power PWB identification

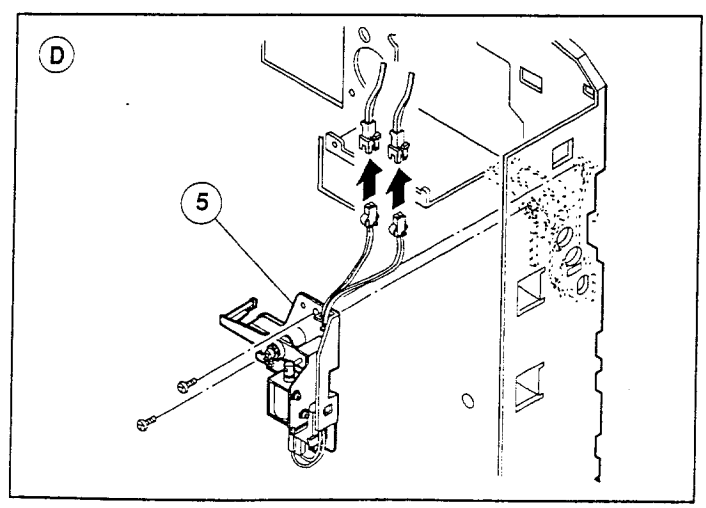
100V system	200V system
White label	Red label

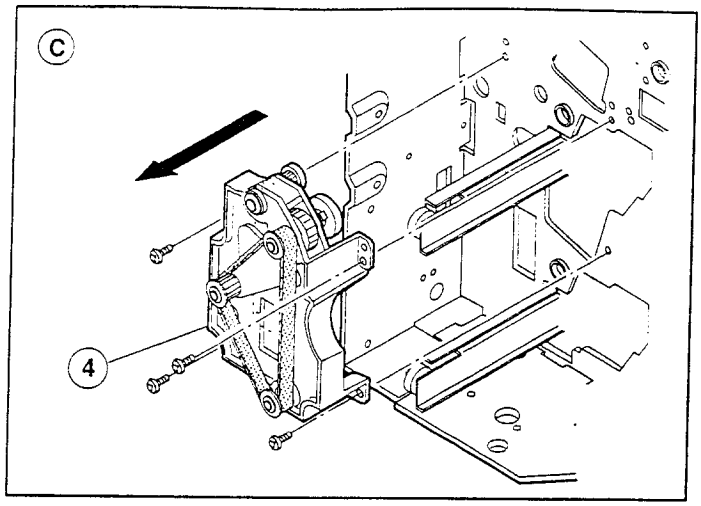
⑤ Remove the paper exit gate solenoid (2 screws, 2 connectors).







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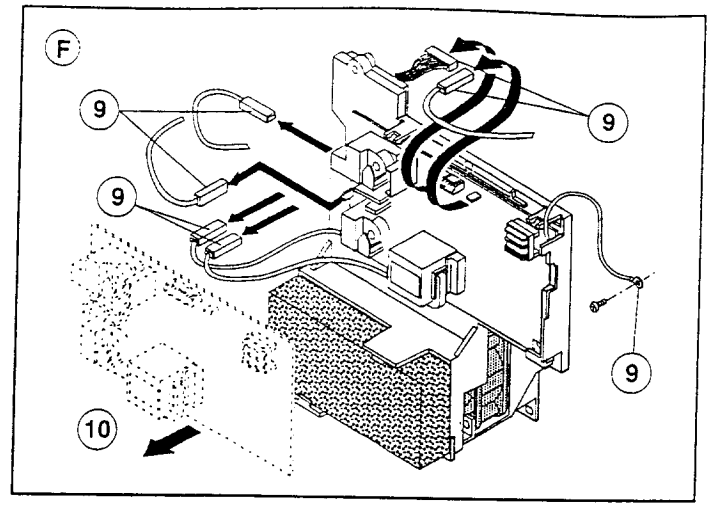
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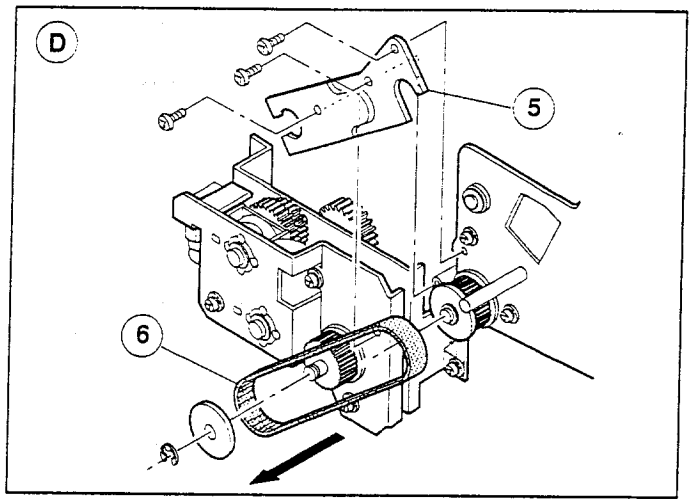
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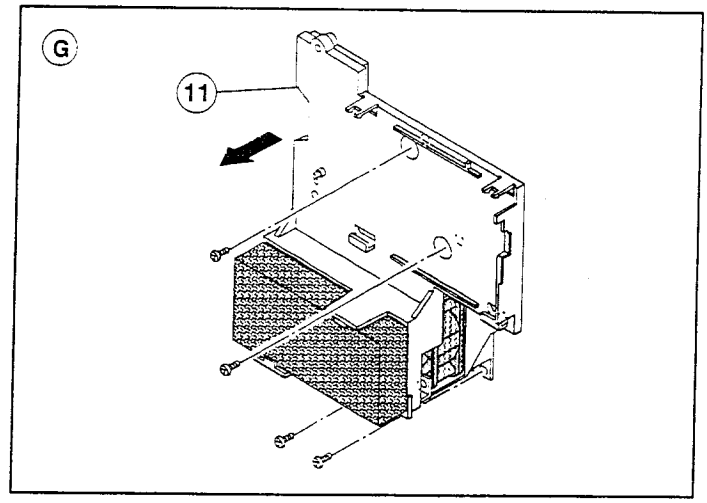
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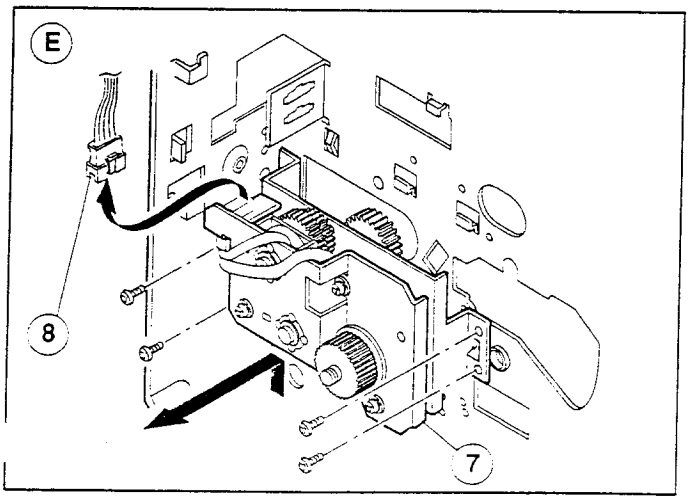
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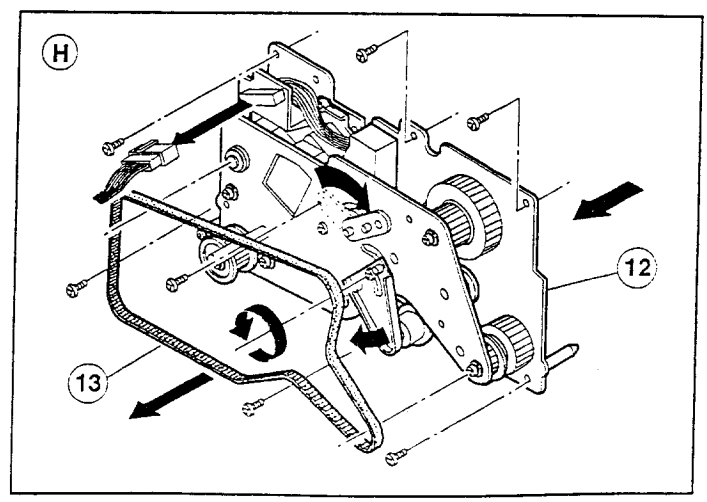
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7. Rear frame side major components

Paper feed drive unit

Variable paper speed unit

Main drive unit (belt)

① Remove the rear panel (4 screws).

② Remove the main PWB connectors (13 connectors).

③ Remove the main PWB unit from the copier (1 screw).

④ Remove the paper feed drive unit (4 screws).

⑤ Remove the joint plate (2 screws).

⑥ Remove the main drive side pulley holding E-ring, then remove the drive belt.

⑦ Remove the variable paper feed speed unit (4 screws).

⑧ Remove the variable speed clutch unit.

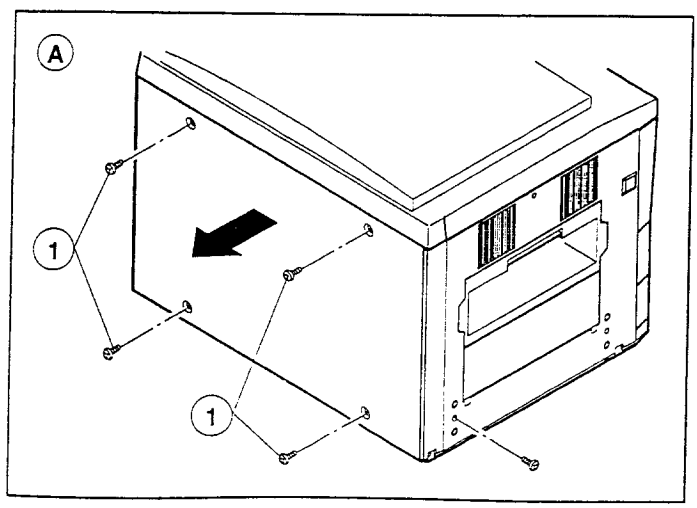
⑨ Unfasten the high voltage unit connectors (6 connectors), and remove the ground harness from the copier chassis (1 screw each).

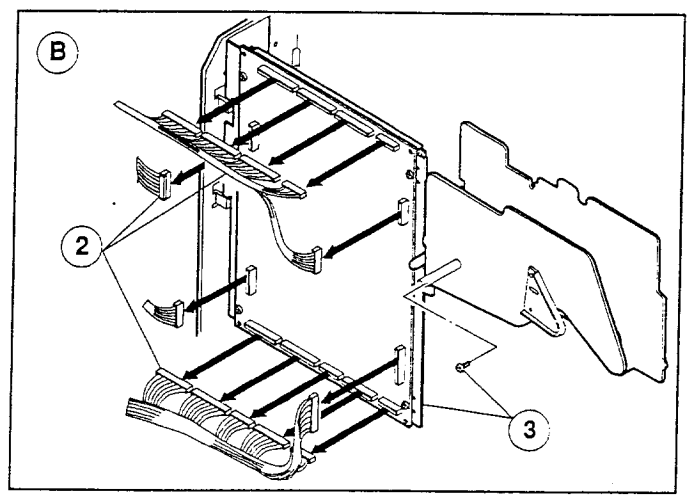
⑩ Remove the high voltage PWB from the suction duct unit.

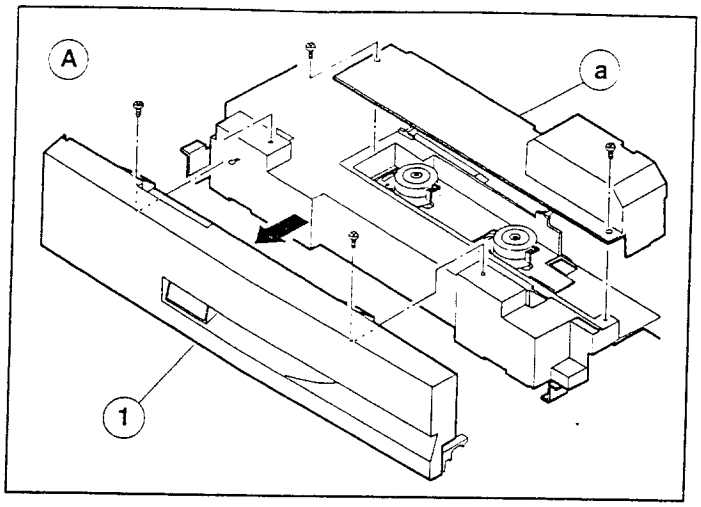
⑪ Remove the suction unit (6 screws).

⑫ Remove the main drive unit.

⑬ Remove the main drive belt.



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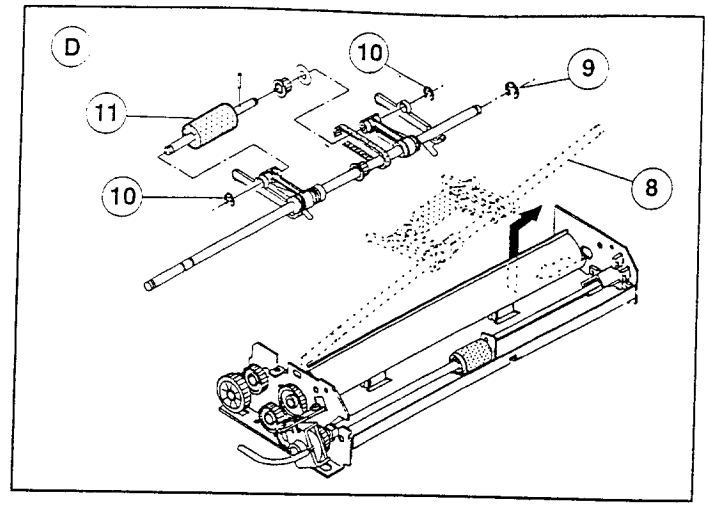
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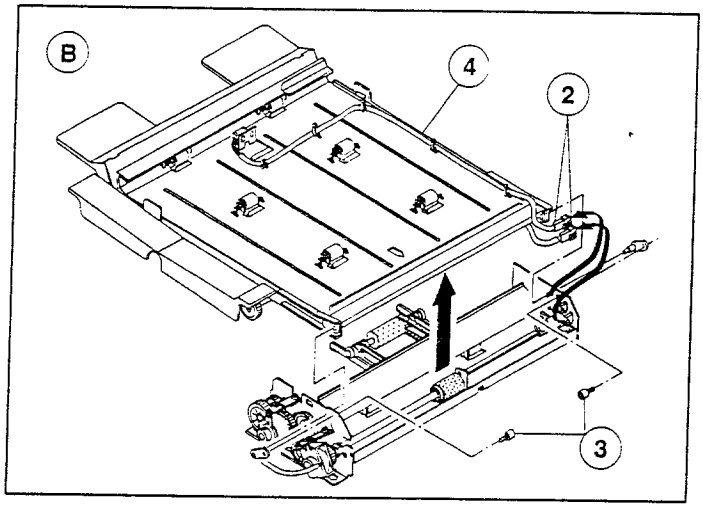
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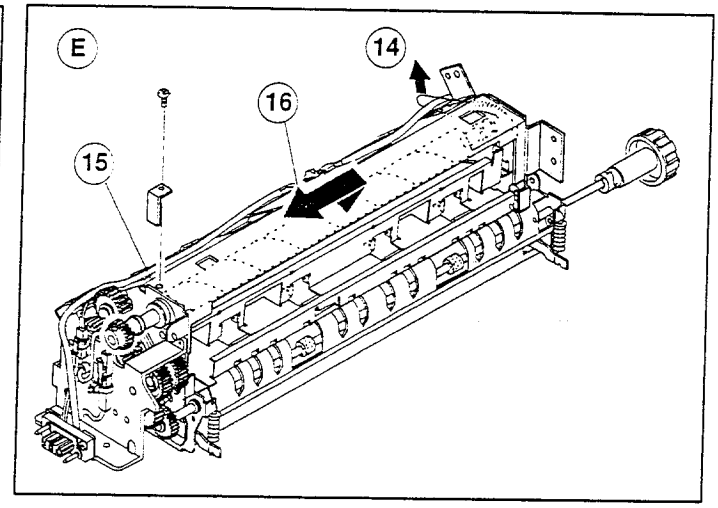
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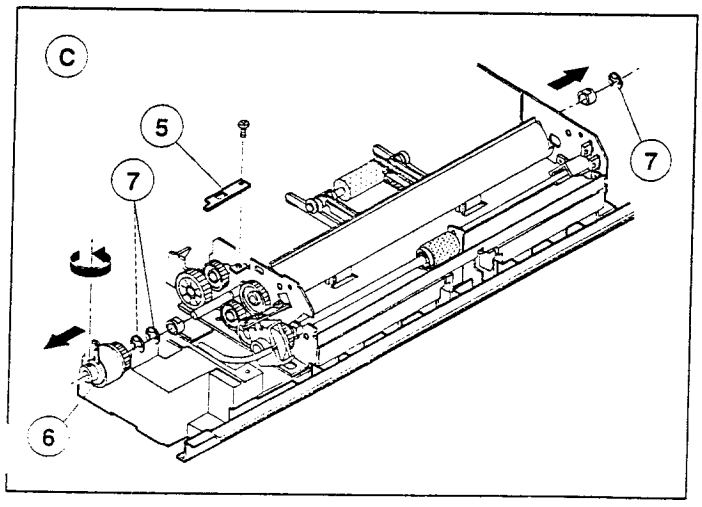
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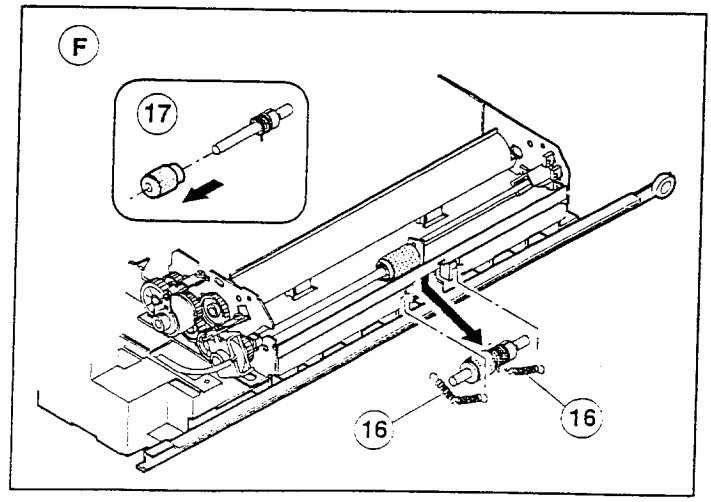
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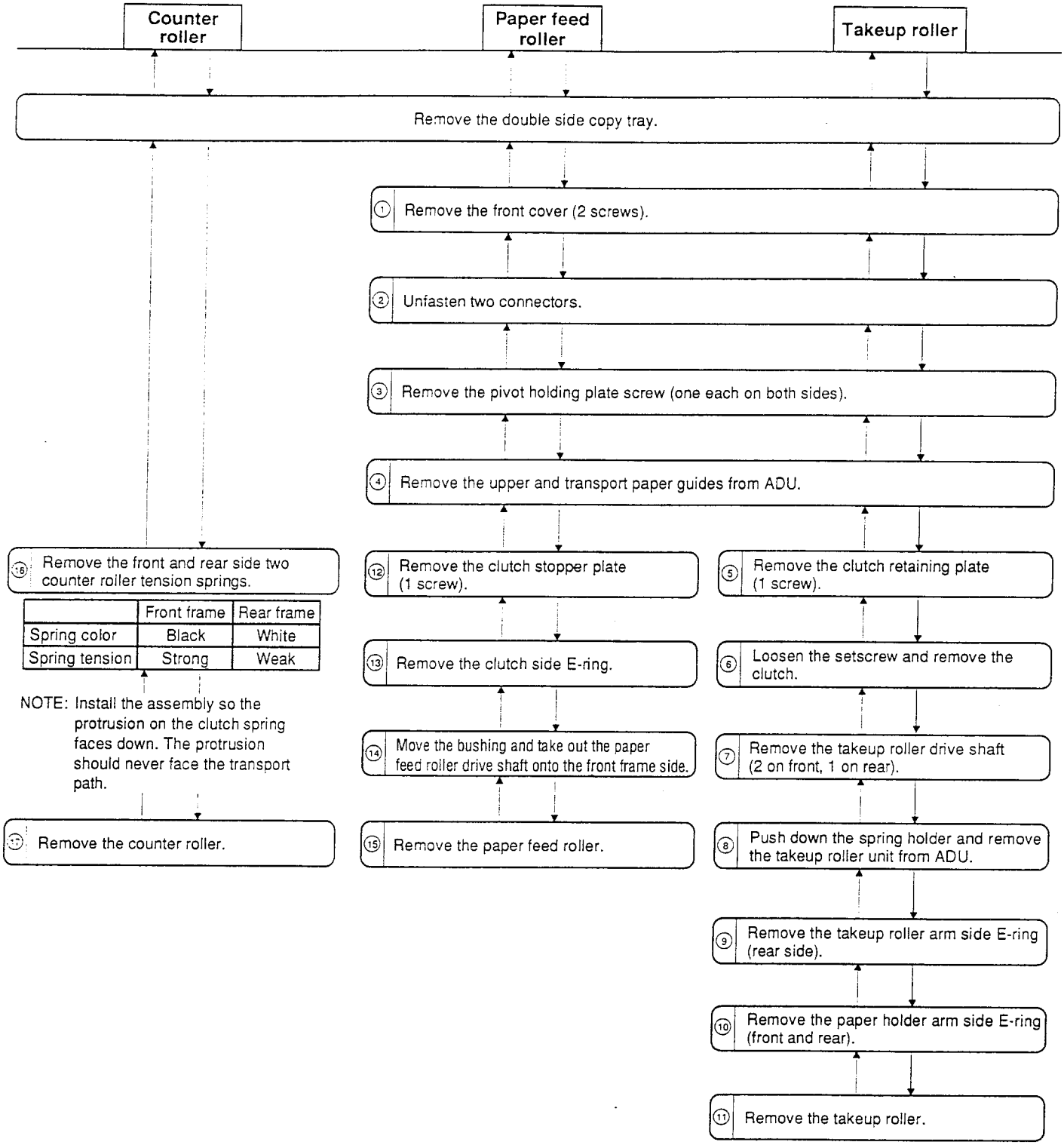
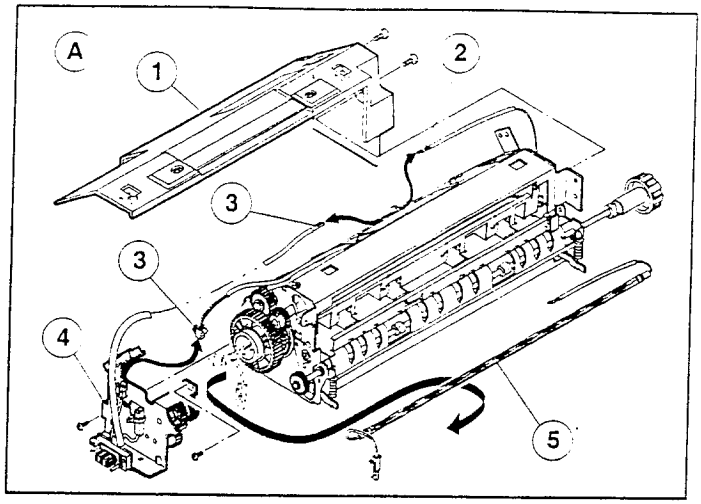
6. Duplex copy unit


Counter roller
Paper feed roller
Takeup roller
Remove the double side copy tray.
① Remove the front cover (2 screws).
② Unfasten two connectors.
③ Remove the pivot holding plate screw (one each on both sides).
④ Remove the upper and transport paper guides from ADU.
⑤ Remove the clutch retaining plate (1 screw).
⑥ Loosen the setscrew and remove the clutch.
⑦ Remove the takeup roller drive shaft (2 on front, 1 on rear).
⑧ Push down the spring holder and remove the takeup roller unit from ADU.
⑨ Remove the takeup roller arm side E-ring (rear side).
⑩ Remove the paper holder arm side E-ring (front and rear).
⑪ Remove the takeup roller.
⑫ Remove the clutch stopper plate (1 screw).
⑬ Remove the clutch side E-ring.
⑭ Move the bushing and take out the paper feed roller drive shaft onto the front frame side.
⑮ Remove the paper feed roller.
⑯ Remove the front and rear side two counter roller tension springs.
⑰ Remove the counter roller.
NOTE: Install the assembly so the protrusion on the clutch spring faces down. The protrusion should never face the transport path.

	Front frame	Rear frame
Spring color	Black	White
Spring tension	Strong	Weak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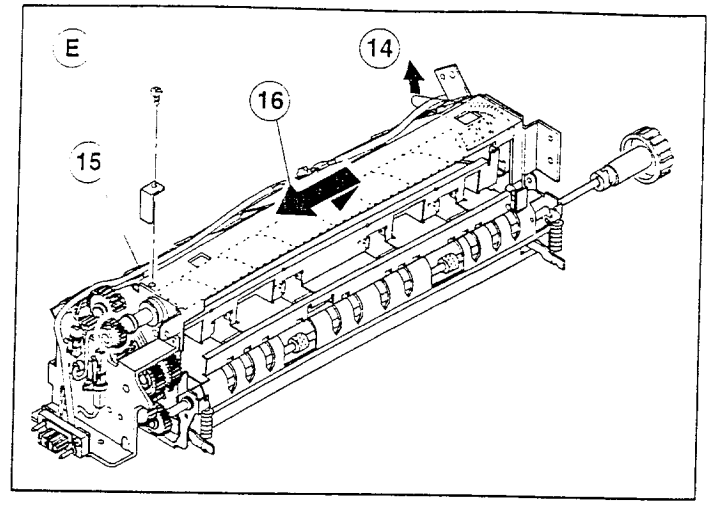
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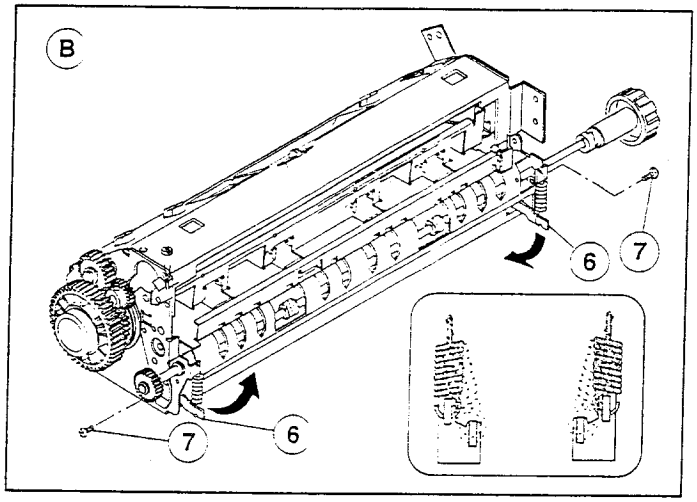
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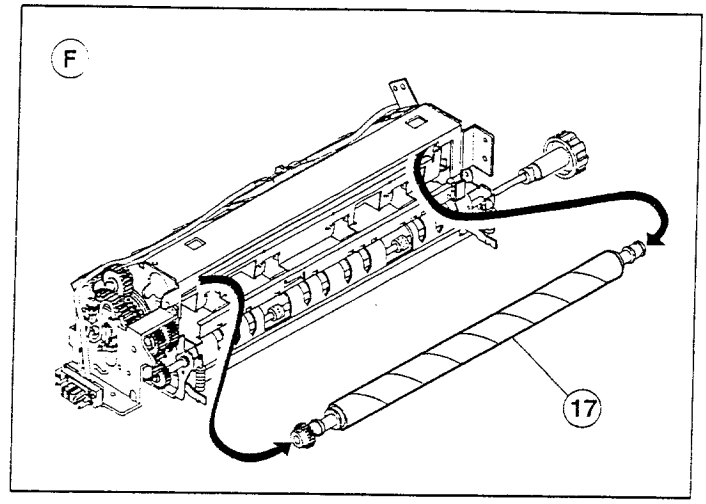
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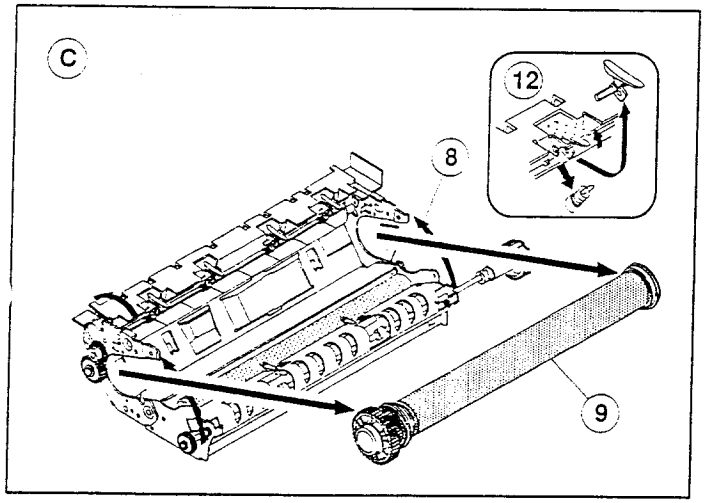
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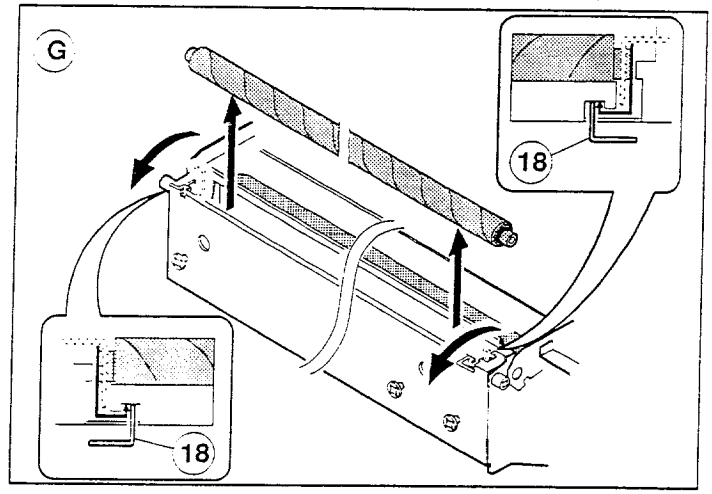
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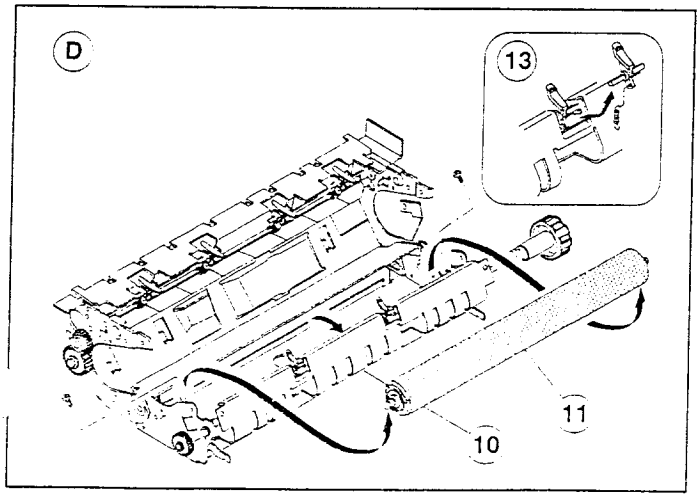
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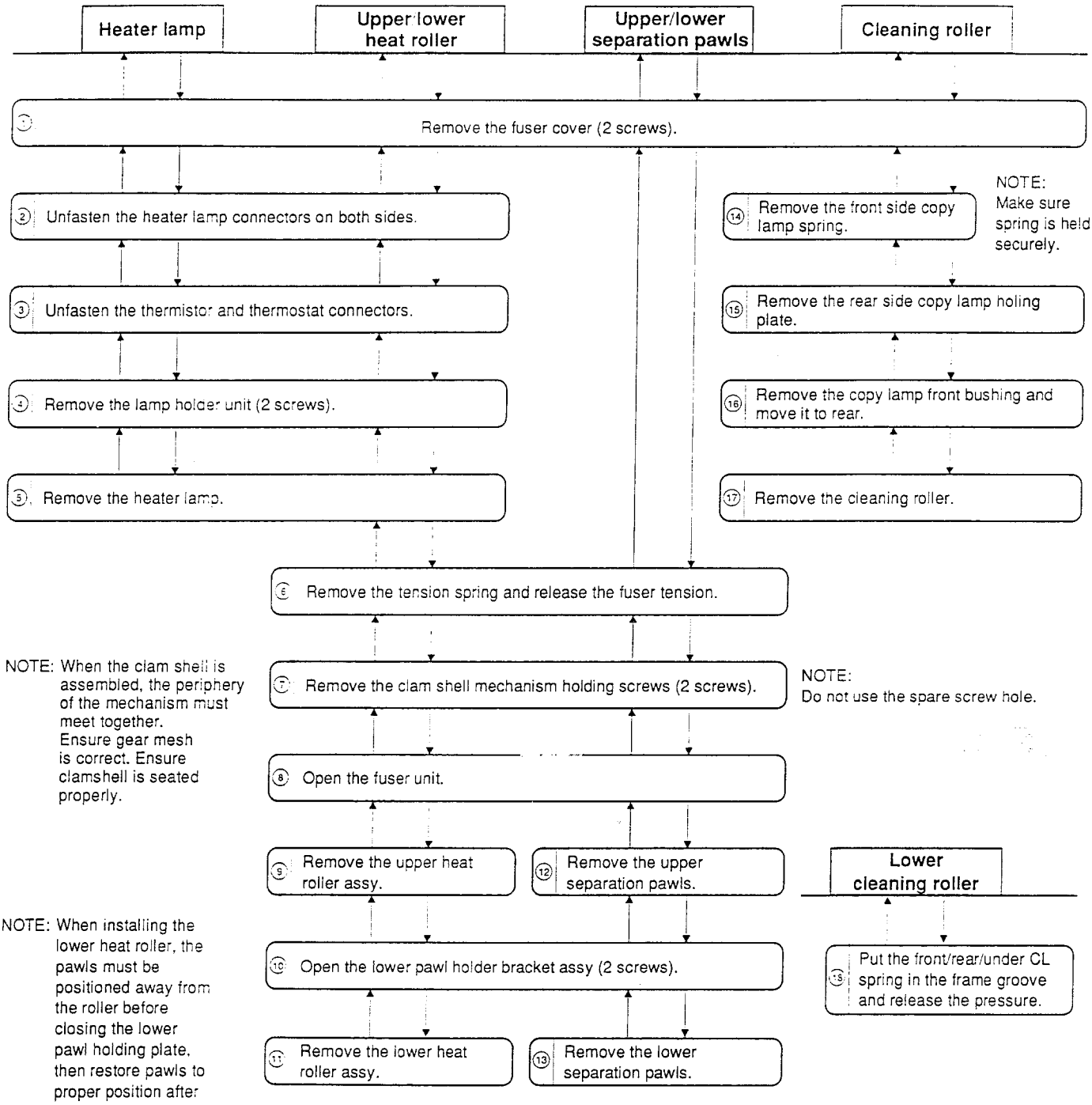
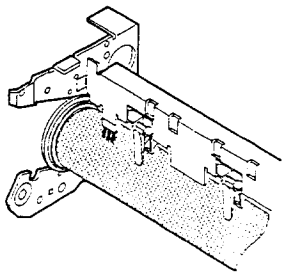
5. Fuser unit

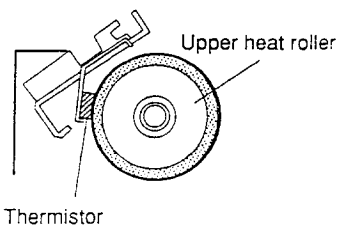

Heater lamp
Upper/lower heat roller
Upper/lower separation pawls
Cleaning roller
① Remove the fuser cover (2 screws).
② Unfasten the heater lamp connectors on both sides.
③ Unfasten the thermistor and thermostat connectors.
④ Remove the lamp holder unit (2 screws).
⑤ Remove the heater lamp.
⑭ Remove the front side copy lamp spring.
NOTE: Make sure spring is held securely.
⑮ Remove the rear side copy lamp holing plate.
⑯ Remove the copy lamp front bushing and move it to rear.
⑰ Remove the cleaning roller.
⑥ Remove the tension spring and release the fuser tension.
NOTE: When the clam shell is assembled, the periphery of the mechanism must meet together. Ensure gear mesh is correct. Ensure clamshell is seated properly.
⑦ Remove the clam shell mechanism holding screws (2 screws).
NOTE: Do not use the spare screw hole.
⑧ Open the fuser unit.
⑨ Remove the upper heat roller assy.
⑫ Remove the upper separation pawls.
Lower cleaning roller
NOTE: When installing the lower heat roller, the pawls must be positioned away from the roller before closing the lower pawl holding plate, then restore pawls to proper position after installing roller.
⑩ Open the lower pawl holder bracket assy (2 screws).
⑱ Put the front/rear/under CL spring in the frame groove and release the pressure.
⑪ Remove the lower heat roller assy.
⑬ Remove the lower separation pawls.

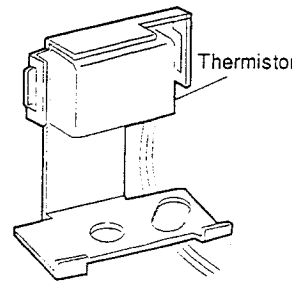
(Discharge brush)
The discharge brush must in contact with the upper heat roller.

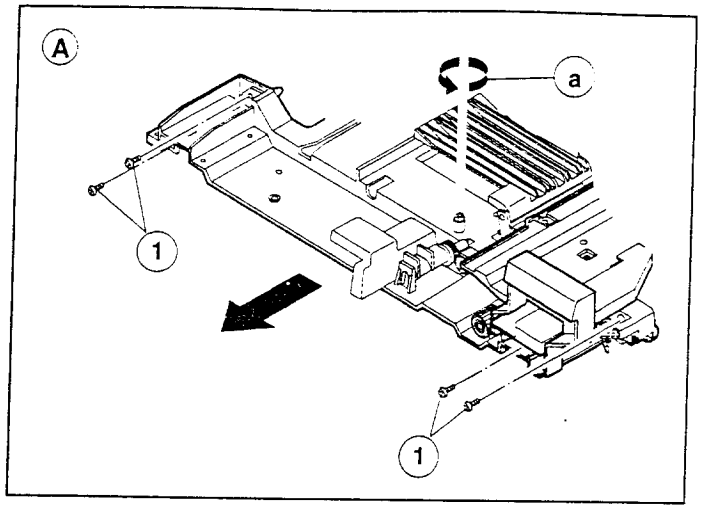


(Thermistor)

- The center of the thermistor must in contact with the heat roller.
- Clean thermistor surface using alcohol.



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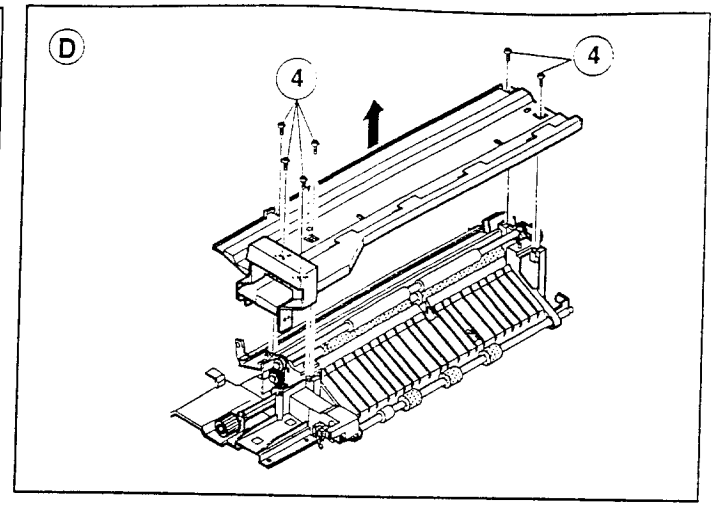
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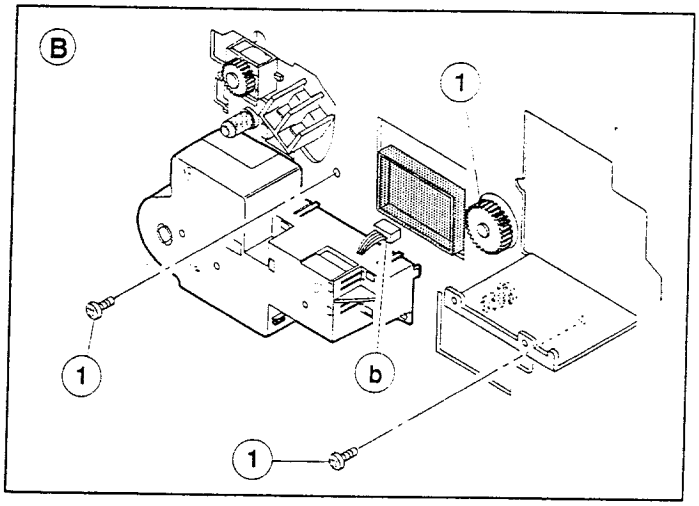
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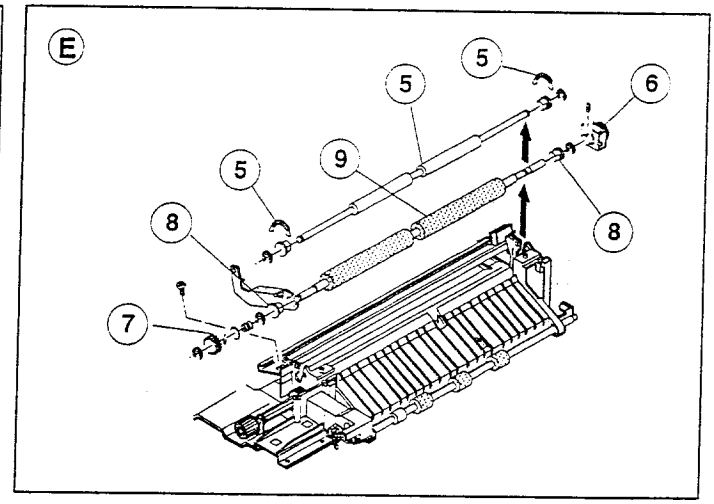
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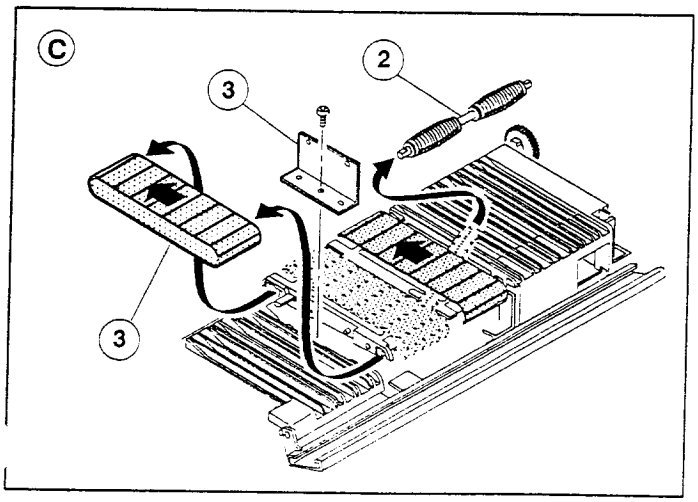
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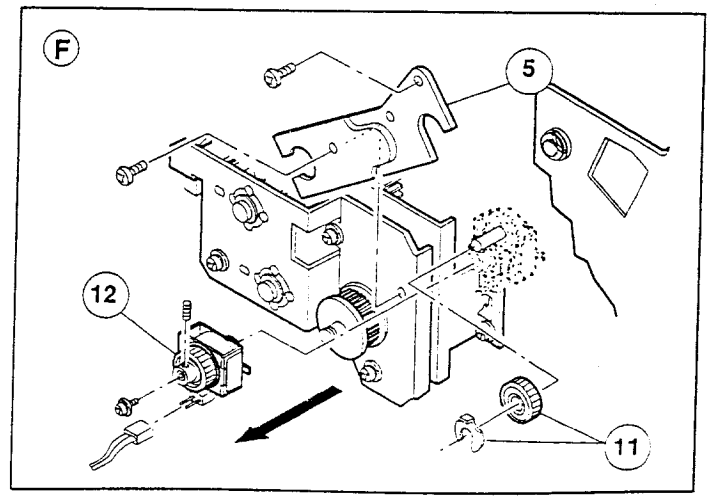
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4. Transport baseplate unit

Suction unit transfer belt | **Paper stop roller** | **Paper stop clutch**

① Remove the transport baseplate from the machine (4 screw on front, 2 on rear, 2 connectors).

② Pull the paper entry side rolle towards the paper exit side, then remove it.

③ Move the suction transfer belt to the front side, then remove it.

NOTE: Note the arrowhead that shown on the suction unit transfer belt.

④ Remove the DV guide (6 screws).

⑤ Remove the spring and the auxiliary roller.

⑥ Remove the paper stop clutch (1 screw, and loosen 1 setscrew).

⑦ Remove the front side gearwheel (one each of E-ring, pin, washer, spring).

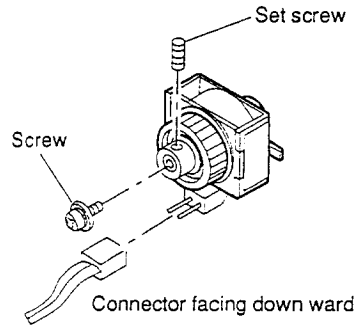
⑧ Remove the bearing (one each on front and rear).

⑨ Remove the paper stop roller.

⑩ Remove the connecting plate ⑤ in Fig. Ⓕ. (2 screws)

⑪ Remove the stopper and the 22T gear.

⑫ Remove the P.S clutch



NOTE: H specificafions mode remove the demoisture heater lamp in the suction section. (Remove heater connector ⓑ in Fig. Ⓑ.)

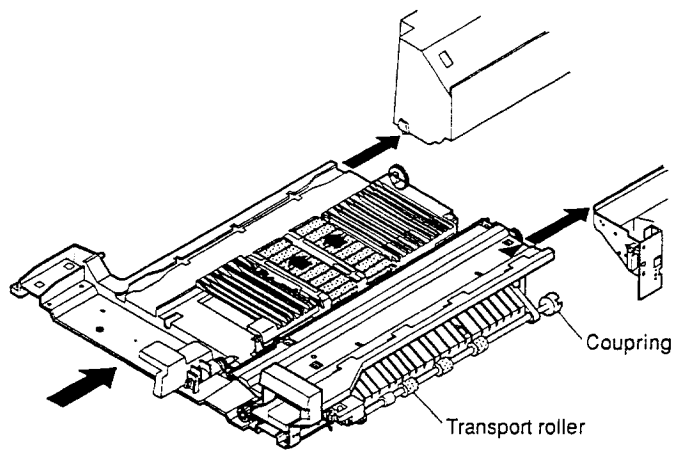
Suction lift lever

Loosen screw ⓐ in Fig. Ⓐ and shift the suction lift lever to R side, and the heater unit will be remove

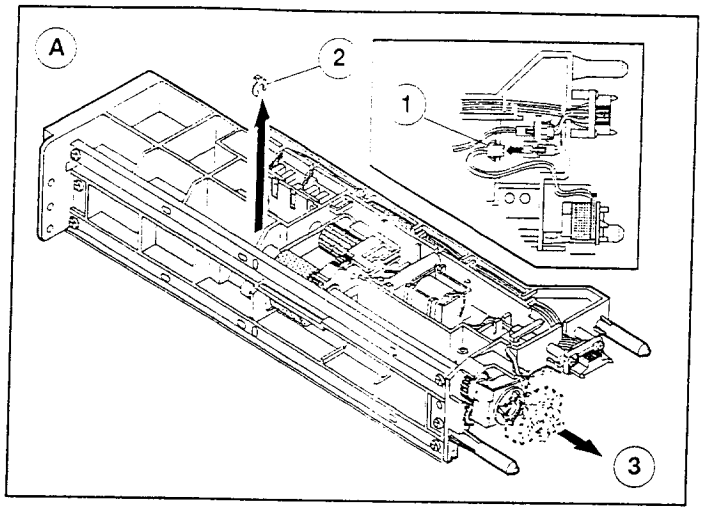
※ When removeing the transport plate unit, remove the DV tank, the front cabinet, the process unit, the upper cassette (ADU unit) in advance.
For removing the upper cassette, it is advisable to remove the paper feed unit in advance.
Since the fuser unit will serve as the guide rail for removing and assembling the transport bace plate, do not remove it.
Open the right cabinet.

※ When installing the transport base plate unit

① Fit the arrow mark in the DV guide with the groove in the left side of the rail transport base plate in the malti paper feed section of the main body and the mark in the fusing unit cover.



② Securely engage the transport roller coupring with the main body coupring. If not, the unit cannot be inserted to the end.
Check that the roller can be turned manually. (If the couprings are not securely engaged, the roller cannot be turned manually.)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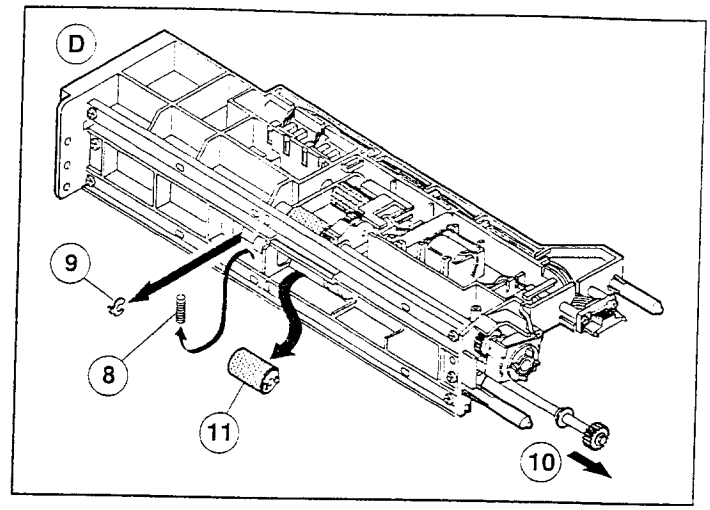
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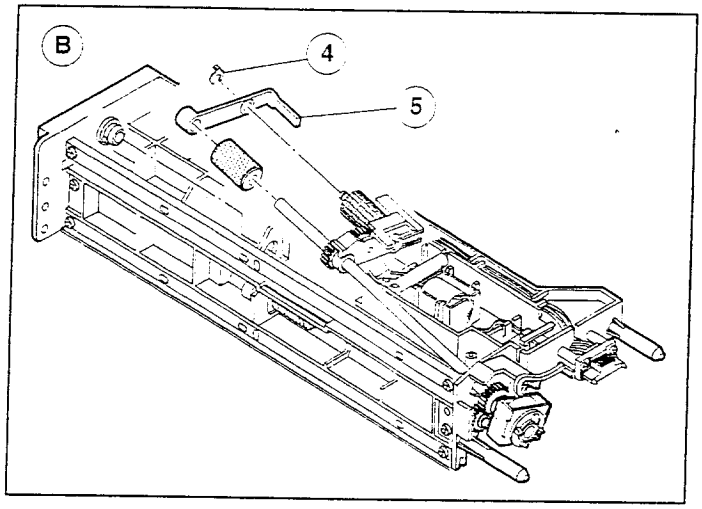
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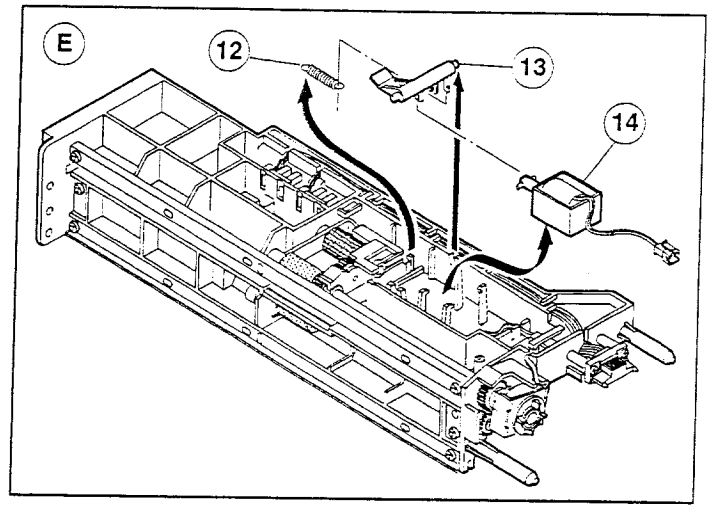
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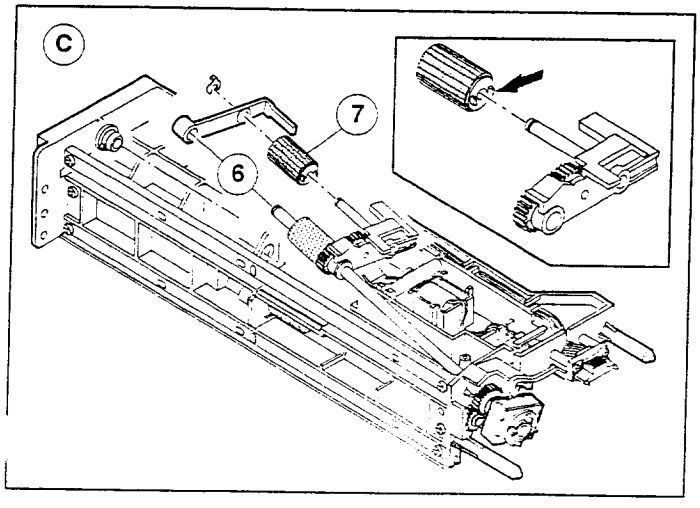
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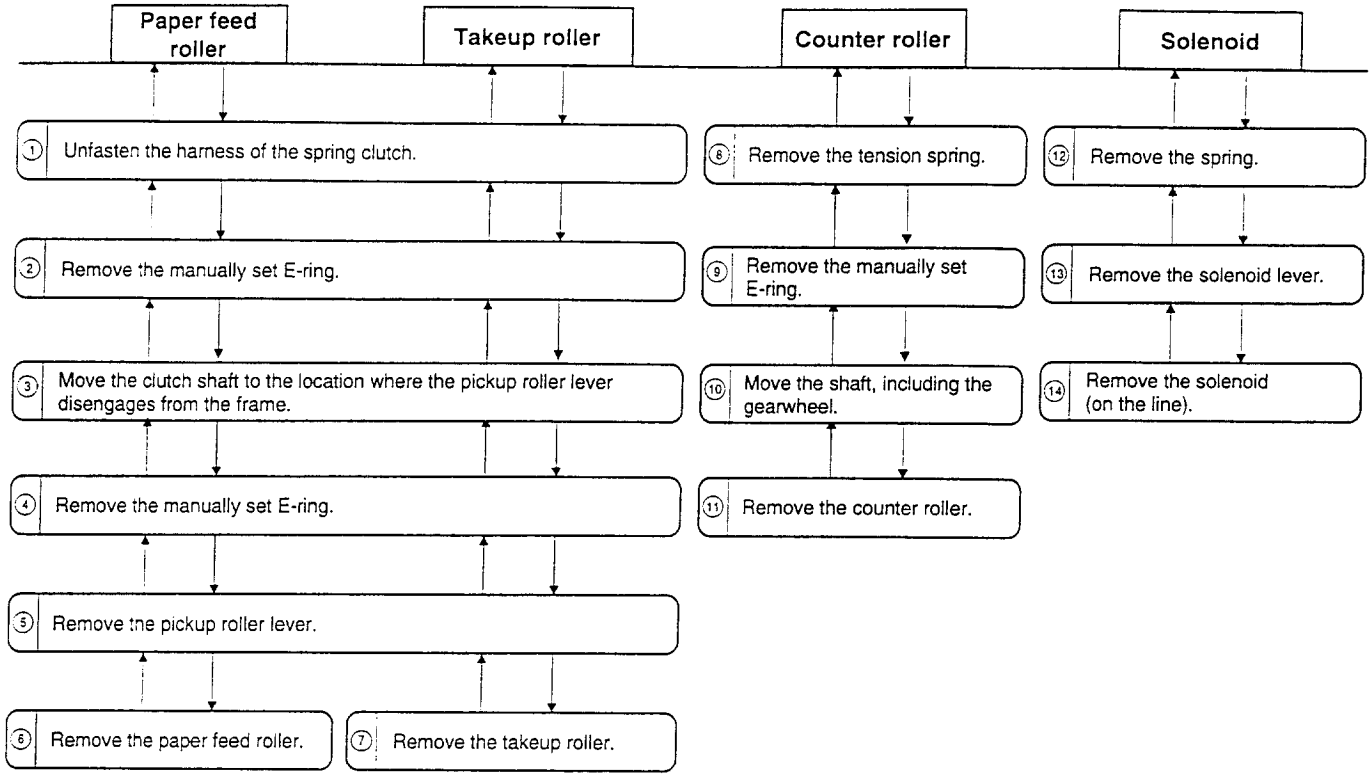
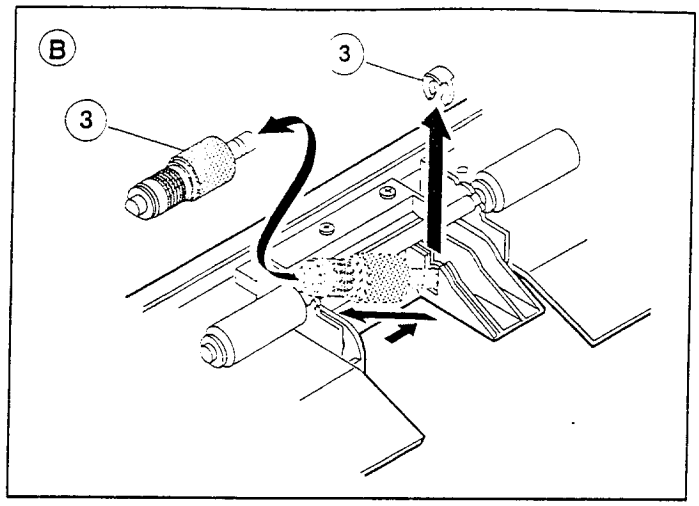
3. Paper feed unit


Paper feed roller
Takeup roller
Counter roller
Solenoid
① Unfasten the harness of the spring clutch.
② Remove the manually set E-ring.
③ Move the clutch shaft to the location where the pickup roller lever disengages from the frame.
④ Remove the manually set E-ring.
⑤ Remove the pickup roller lever.
⑥ Remove the paper feed roller.
⑦ Remove the takeup roller.
⑧ Remove the tension spring.
⑨ Remove the manually set E-ring.
⑩ Move the shaft, including the gearwheel.
⑪ Remove the counter roller.
⑫ Remove the spring.
⑬ Remove the solenoid lever.
⑭ Remove the solenoid (on the line).

NOTE: The one-way clutch is on the rear frame side (clutch side).

NOTE: The side with a protrusion is on the rear side.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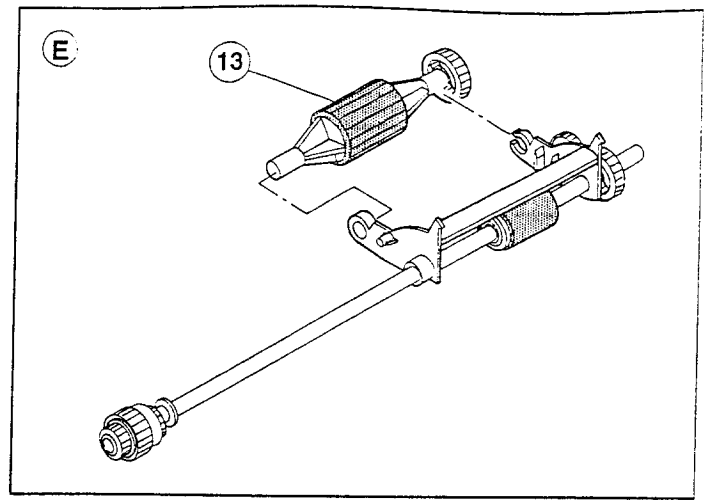
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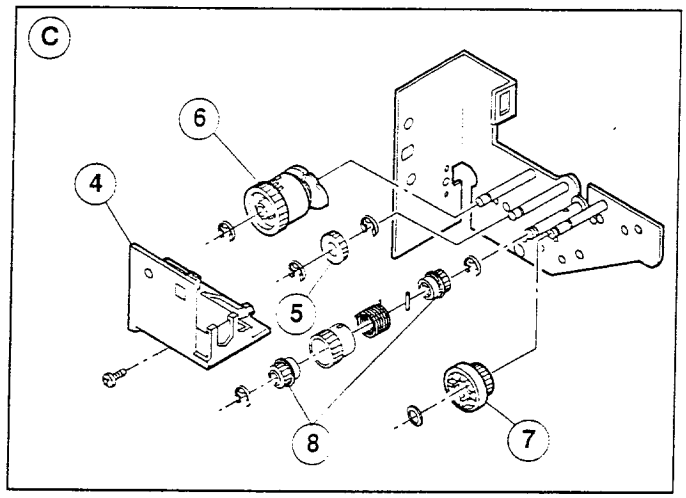
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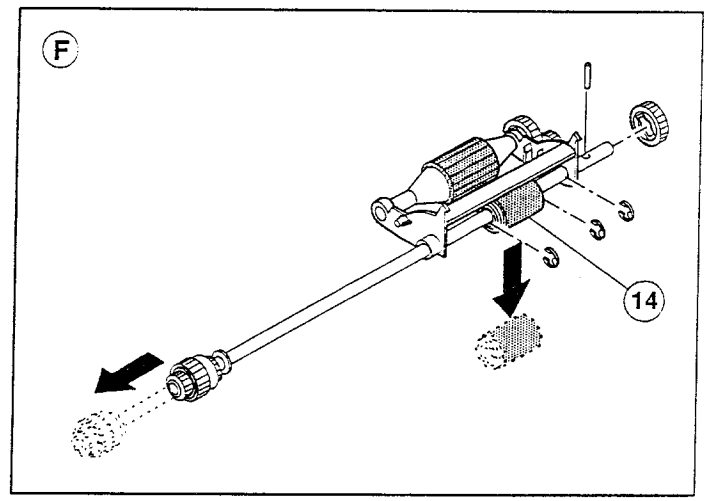
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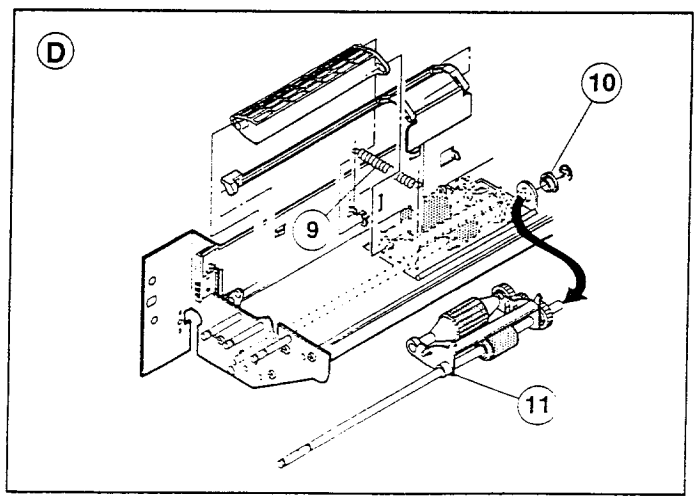
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2. Manual feed multicopy unit

Counter roller | Takeup roller | Paper feed roller | Spring clutch, small | Spring clutch, large

① Remove the right side panel of the copier (3 screws).

② Remove the manual feed multicopy unit (4 screws, 2 connectors).

③ Remove the counterroller unit (1 plastic E-ring).

⑫ Remove the partition plate from the cam lever.

⑬ Remove the takeup roller.

④ Remove the manual feed multicopy solenoid (2 screws).

⑤ Remove the connection gearwheel (1 E-ring).

⑥ Remove the spring clutch, large (1 E-ring).

⑦ Remove the manual feed drive gearwheel (1 C-ring).

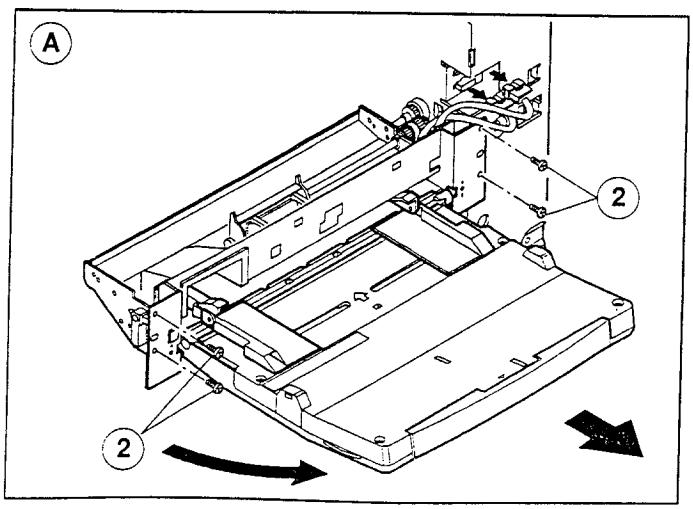
⑧ Remove the spring clutch, small (2 E-rings, 1 pin).

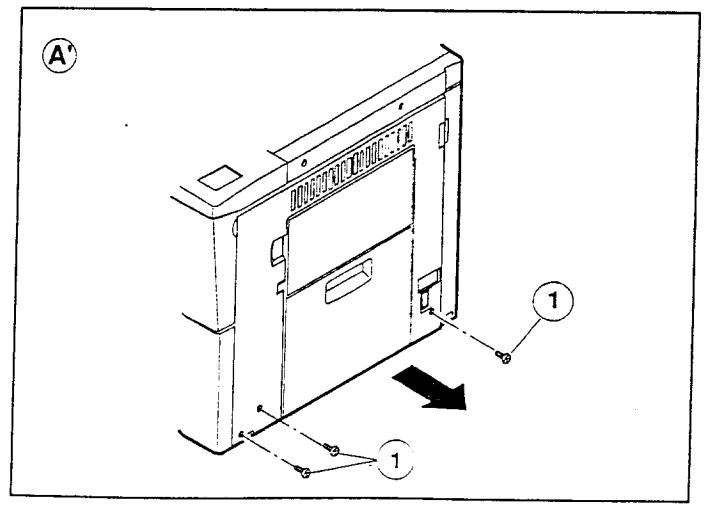
⑨ Remove the spring (1 spring).

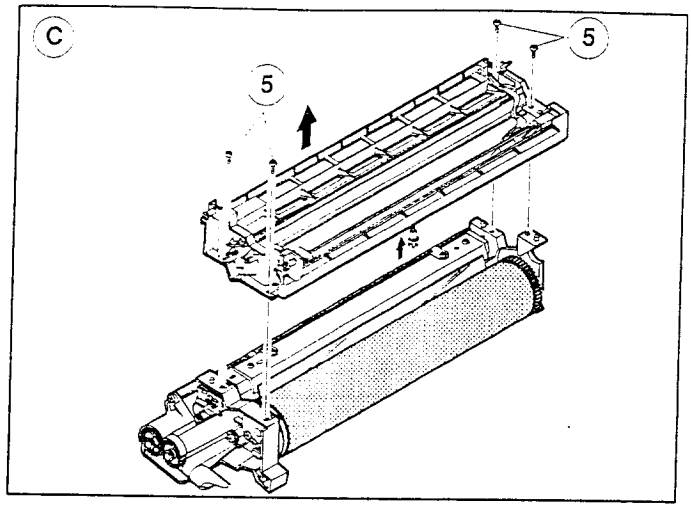
⑩ Remove the front side bushing of the drive roller shaft assy (1 E-ring, 1 clutch spring bushing).

⑪ Remove the drive roller shaft assy.

⑭ Remove the paper feed roller from the drive roller shaft assy (3 E-rings, 1 connection gearwheel, 1 pin).



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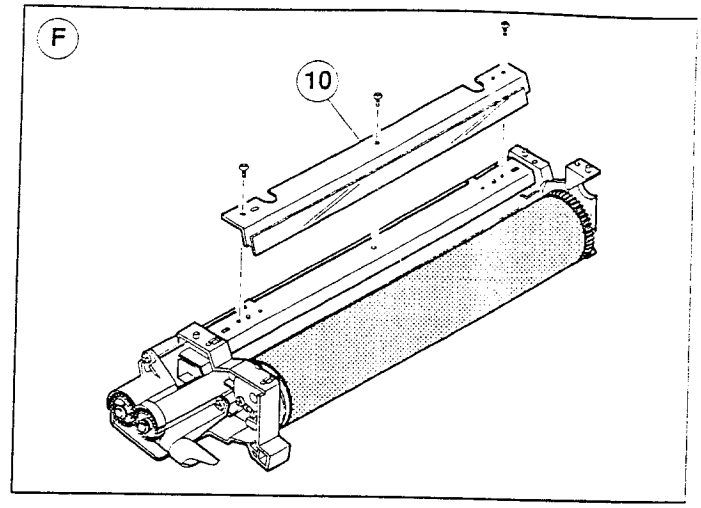
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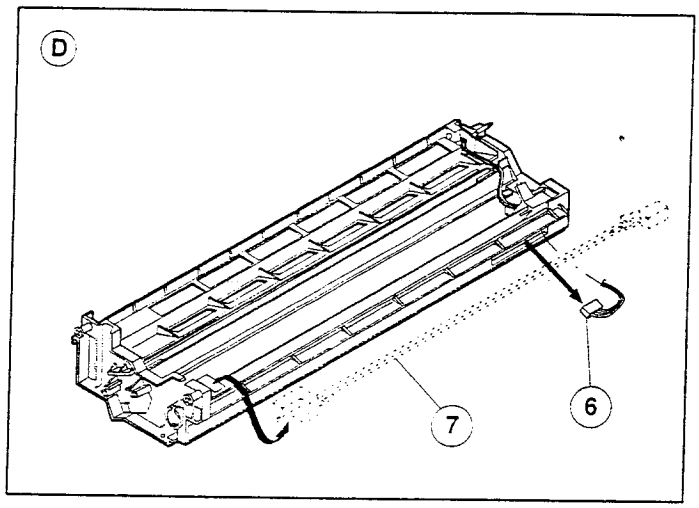
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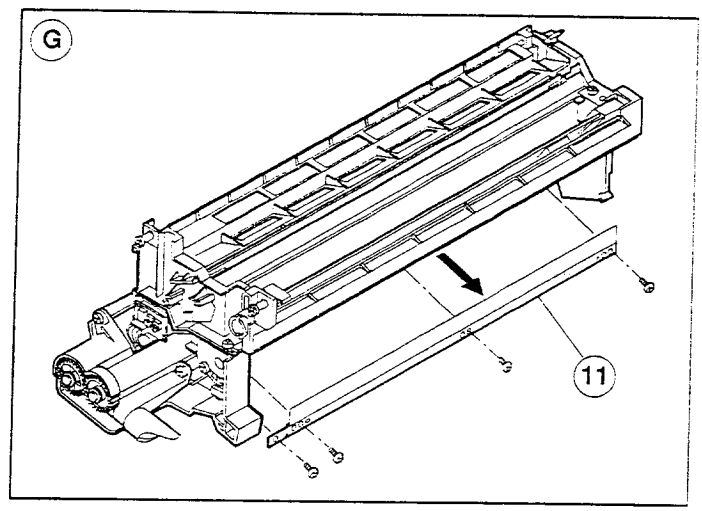
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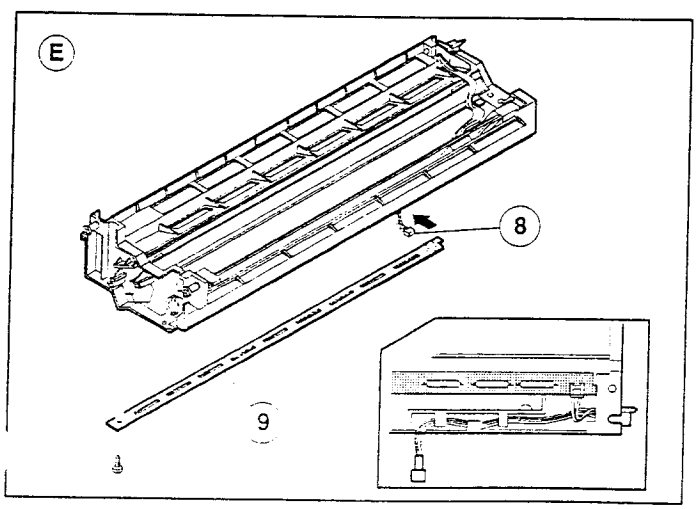
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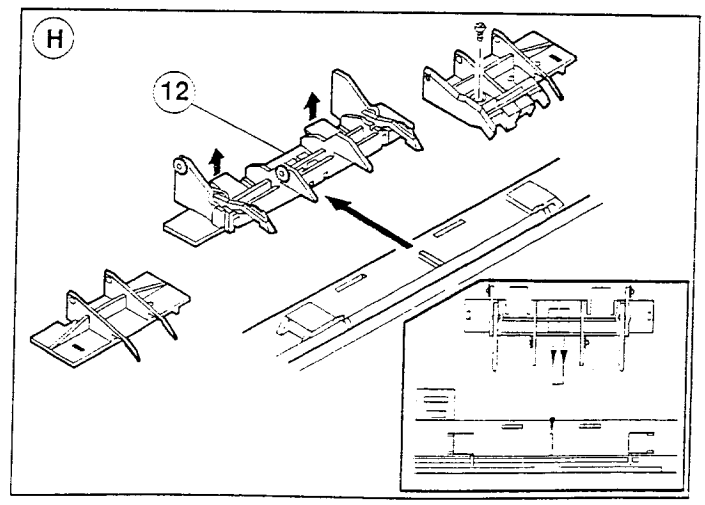
H
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[6] DISASSEMBLY AND REASSEMBLY

1. Process unit

Drum | Toner receiver | BL PWB UN | Discharge lamp unit | Cleaning blade

① Remove the process cover (1 screw) and remove the process unit from the copier (3 screws).

⑤ Detach the clam shell mechanism (4 screws).

② Loosen two blue screws that hold the drum positioning plate F assy.

⑥ Unfasten the blank lamp connector.

⑧ Unfasten the discharge lamp harness connector.

⑩ Remove the cleaning blade (3 blue screws).

③ Rotate the drum positioning plate F assy clockwise to remove.

⑦ Remove the blank lamp PWB.

⑨ Remove the discharge lamp unit (1 screw).

④ Remove the drum assy.

DR mark sensor PWB | Separation solenoid | Separator pawl | DR sensor | Process volume PWB

⑪ Remove the toner receiver. (4 screws)

Remove the DR mark sensor PWB from the BL PWB unit (1 screw).

Unfasten the harness connector from the separation solenoid.

⑫ Remove the separation solenoid.

Remove the DR sensor mounting plate unit (1 screw).

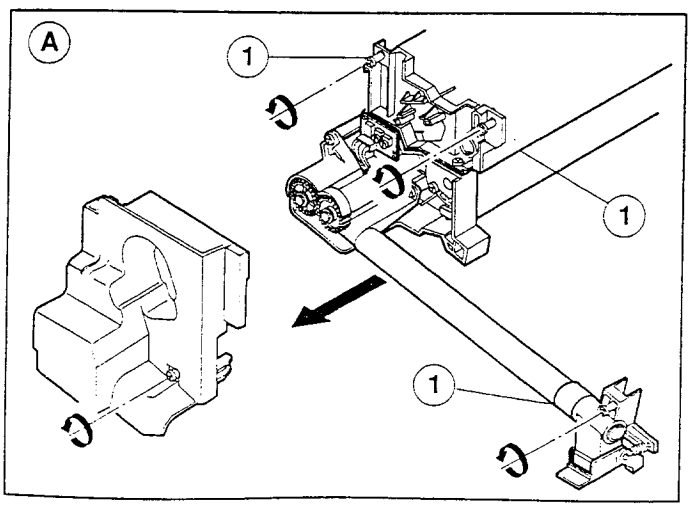
Remove the process volume PWB (2 screws).

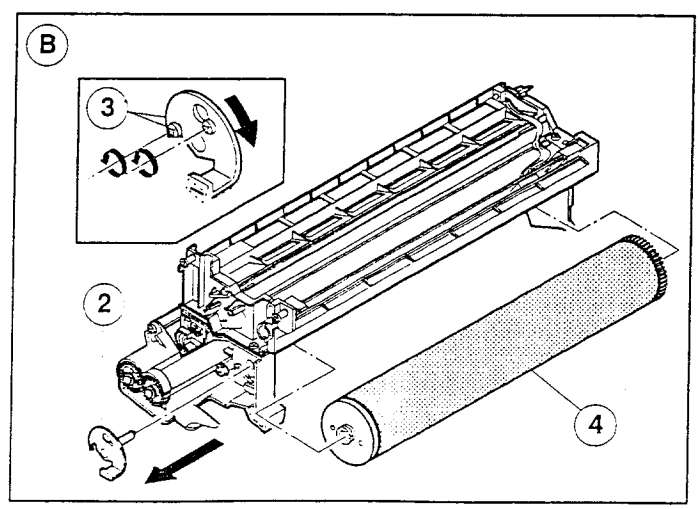
Remove the separation pawl unit from the process unit.

Remove the separation pawl unit (R).

Remove the DR sensor cover mounting screws (2 pcs.) and separate the DR sensor from the mounting plate.

Counter roller

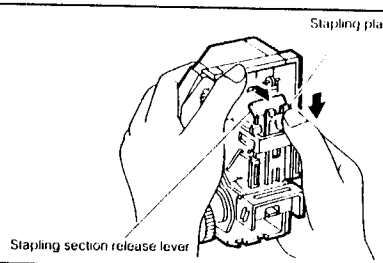




4 Close the stapling section.

Press down on the stapling plate and return it to its original position.

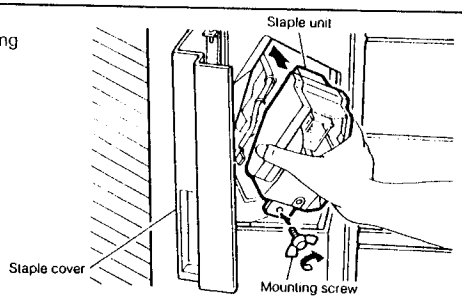
Next, return the stapling section release lever to its original position.



5 Reinstall the staple unit.

Reinstall the staple unit in its original location using the mounting screw to secure it in place.

Then close the staple cover.

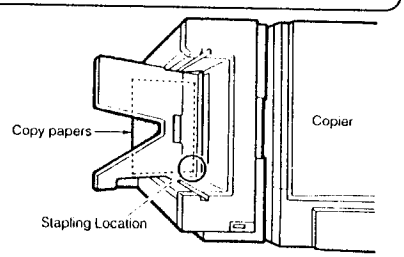


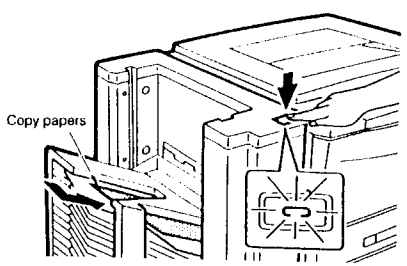
6 Confirm that papers are stapled correctly.

Place a set of papers in the 2nd bin (below the non sort bin), check the stapling location, and then press the manual staple key when it lights up.

Next, remove the papers that were placed in the 2nd bin and confirm that they have been stapled correctly.

At this time, if the papers still have not been stapled, repeat this procedure once again.





This completes the staple sorter installation.

[8] Test commands and diagnostics

1. Test command

(1) Introduction

The following can be done with test command.

- Used to operate any functional block independently to check its function.
- Used to adjust the machine.
- Used to cancel troubles.
- Used to set up functions.

(2) Purpose

It allows to help repairing and adjusting the machine using test command.
When the PAUSE key is pressed in a course of test command being executed, the test command is interrupted with the copy number window turned off and becomes ready to accept entry of a test command number.

*1: If the key was pressed for more than five seconds, it may not go into the test command mode.

*2: Further operation may be needed depending on the kind of test command.

*3: One of the next methods is required to cancel the test command as it varies according to the test command. The machine then starts from the state immediately after power on.

— Other than test command 7
The test command is canceled when the CLEAR ALL key is pressed.

— Test command 7
One of the following operation cancels the test command execution.

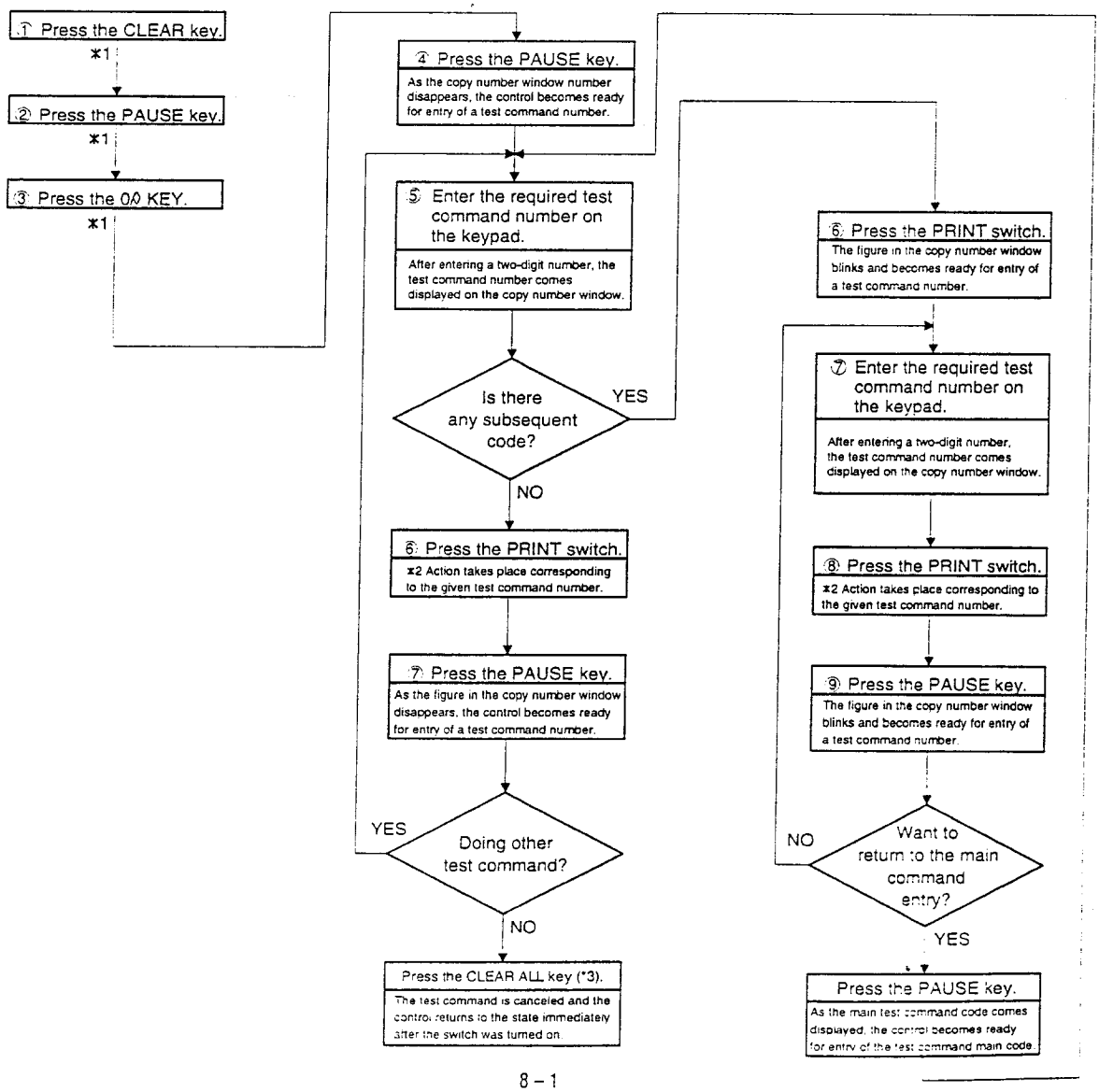
1. Power switch off.
2. Press the CLEAR → PAUSE → 0 → PAUSE → CLEAR ALL keys.

— Test command 14
The test command 14 is used to clear the memory contents (H2, H3, H4) that has been stored in it. After the test command 14 has been executed, the diagnostic is automatically terminates.

— Special keys
CLEAR ALL key: Test command mode → normal mode.
PAUSE key: Execution of test command is interrupted.
CLEAR key: Clears the copy number window.

— The diagnostic is automatically terminates after the doorswitch operation "ON → OFF → ON", except "H", "U2" code.

(3) Test command execution procedure

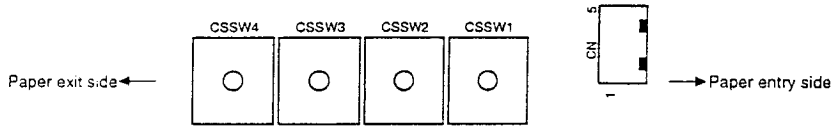

① Press the CLEAR key.
*1
② Press the PAUSE key.
*1
③ Press the 00 KEY.
*1
④ Press the PAUSE key.
As the copy number window number disappears, the control becomes ready for entry of a test command number.
⑤ Enter the required test command number on the keypad.
After entering a two-digit number, the test command number comes displayed on the copy number window.
Is there any subsequent code?
YES
NO
⑥ Press the PRINT switch.
*2 Action takes place corresponding to the given test command number.
⑦ Press the PAUSE key.
As the figure in the copy number window disappears, the control becomes ready for entry of a test command number.
Doing other test command?
YES
NO
Press the CLEAR ALL key (*3).
The test command is canceled and the control returns to the state immediately after the switch was turned on.
⑥ Press the PRINT switch.
The figure in the copy number window blinks and becomes ready for entry of a test command number.
⑦ Enter the required test command number on the keypad.
After entering a two-digit number, the test command number comes displayed on the copy number window.
⑧ Press the PRINT switch.
*2 Action takes place corresponding to the given test command number.
⑨ Press the PAUSE key.
The figure in the copy number window blinks and becomes ready for entry of a test command number.
Want to return to the main command entry?
NO
YES
Press the PAUSE key.
As the main test command code comes displayed, the control becomes ready for entry of the test command main code.

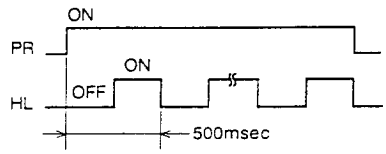
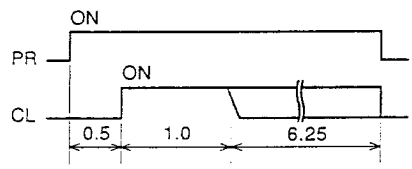
List of the test commands

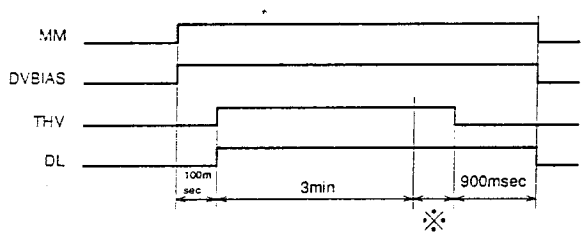
SIMNO	SIMSUB	Description	
01	01	Optical system mirror scanning check	
	02	Optical system sensor state display	
	03	Lens movement operation check	
	04	Lens aging	
02	01	RADF aging	
	02	RADF sensor state display	
	03	RADF individual load operation check	Motor A forward rotation
	04		Motor A reverse rotation
	05		Motor B forward rotation
	06		Motor B reverse rotation
	07		Belt clutch
	08		Paper feed solenoid
	09		Reverse solenoid
	10		Stopper solenoid
03	02	Sorter sensor state display	
	03	Sorter individual load operation check	Transport motor
	04		Bin shift motor
	05		Fan motor (SF-S15 only)
	06		Gate solenoid
	08		Staple motor (SF-S53 only)
	09		Paper hold solenoid (SF-S53 only)
	10		Guide bar motor (SF-S53 only)
04	02	Desk sensor state display	
	03	1st cassette slot, cassette size switch check (Desk)	
	04	2nd cassette slot, cassette size switch check (Desk)	
	05	3rd cassette slot, cassette size switch check (Desk)	
	06	Desk individual load operation check	Transport motor
	07		1st cassette slot, lift-up motor
	08		2nd cassette slot, lift-up motor
	09		3rd cassette slot, lift-up motor
	10		Transport clutch
	11		1st cassette slot, paper feed solenoid
	12		1st cassette slot, paper feed clutch
	13		2nd cassette slot, paper feed solenoid
	14		2nd cassette slot, paper feed clutch
	15		3rd cassette slot, paper feed solenoid
	16		3rd cassette slot, paper feed clutch
05	01	Operation panel display check	
	02	Fuser lamp check	
	03	Copy lamp check	
	04	BL/DL check	
06	02	Separation pawl solenoid operation check	
07	01	Warm-up time display and aging with jam detection	
	02	Warm-up time display and aging without jam detection	
	03	Aging without fusing and jam detection	
	04	Warm-up disabled	
	06	Intermittent aging	
	07	Intermittent aging without jam	
	08	Warm up time display (without aging)	
08	01	Developer bias check	
	02	MHV (Charge), grid check	ME
	03		Photo
	04		TSM
	06	THV (Transfer) check	
	07	SHV (Separation) check	
09	02	ADU sensor state display	
	03	ADU trail edge plate aging	
	04	ADU alignment plate aging	
	05	Gate solenoid operation check	
10	**	Toner motor aging	
14	**	Cancel of troubles except U2, H2, H3, H4	
16	**	Cancel of U2 trouble code	

SIMNO	SIMSUB	Description	
17	**	PF trouble cancel	
20	**	Maintenance counter clear	
21	01	Maintenance cycle setting	
	02	Setting of domestic mini maintenance for black copy kit	
22	01	Maintenance counter display	
	02	Maintenance preset counter display	
	03	Jam memory display	
	04	Total jam counter display	
	05	Total counter display	
	06	Developer counter display	
	07	Developer preset cycle counter display	
	08	RADF counter display	
	09	ADU counter display	
	10	Staple counter display	
	11	Developer adjustment counter display	
	12	Drum adjustment counter display	
	13	Key operator code display	
24	01	Jam memory/total jam counter clear	
	03	Duplex counter clear	
	04	ADF/RADF counter clear	
	05	Staple counter clear	
	06	Developer correction counter clear	
	07	Drum film wear counter clear	
25	01	Main motor system ON, toner sensor output display	
	02	Auto developer adjustment	
	03	Setting of toner control ignoring time when warming up	
26	01	Option setting	
	03	Counter mode setting	
	06	Destination setting	
	07	Drum sensitivity setting	
	08	Lens focus setting	
	09	4/5 mirror characteristics setting	
27	01	PPC communication trouble	
30	01	Paper sensor state display	
	02	Cassette size switch state display	
41	01	Document size sensor check	
	02	Document size sensor adjustment	
	03	Document sensor light receiving level adjustment	
42	**	Developer counter clear	
43	**	Fusing temperature setting	
44	01	Correction mode setting,	
	02	Drum mark sensor sensitivity adjustment	
	03	Image density sensor sensitivity adjustment	
	05	Test mode	
	06	Compulsory execution of process control	
	07	Drum mark sensor/image density sensor gain select check	
	09	Process control data display	
	11	Enters the copy aging mode to allow the following operation and setting.	
46	01	Exposure level adjustment	
47	**	AE sensor characteristics setting	
48	01	Front/rear magnification ratio adjustment, focus adjustment	
	02	Paper transport direction magnification ratio adjustment (scanner speed)	
50	01	Lead edge image position adjustment, lead edge void adjustment	
	02	Lead edge image position adjustment (Calculation formula), lead edge void adjustment	
51	02	Paper buckle adjustment	
52	01	ADU alignment plate adjustment value setting	
	02	ADU trail edge plate adjustment value setting	
	03	ADU drive clutch OFF time setting	
53	01	RADF stop position adjustment	Normal paper, single sided original mode
	02		Normal paper, double sided original mode
	03		Thin paper mode adjustment
	04	RADF resist sensor adjustment	
	05	RADF eject sensor adjustment	

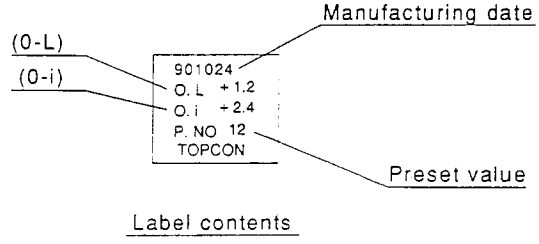
<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>01</td><td>01</td><td>This is the test command used to test the optical system. The mirror base automatically starts to scan.
(1) With depression of the PAUSE key, the control moves from the test command mode to be ready to execute it. The READY pilot lamp (RPL) comes active with the zoom ratio at 100%. It is possible to change the zoom mode using the ZOOM key.
(2) When the PRINT key is pressed while the RPL is active, the status lamp turns off and the test command starts to execute. The mirror base moves to scan in the zoom ratio at that time.
(3) If the door is opened while the operation is in process, the operation is interrupted with status "CH" prompted. Closing the door will start the operation all over again from its initial step.</td><td></td></tr>
<tr><td></td><td>02</td><td>This is the test command used to test the optical system sensors. When the test command starts and the sensor turns on and the display reverses, it starts to test the on/off action of a optical system sensor.
<table><tr><th></th><th>Active status lamp</th></tr><tr><td>RE</td><td>Mirror rotary encoder pulse (RE) input</td></tr><tr><td>MHPS</td><td>Mirror home position sensor</td></tr><tr><td>LHPS</td><td>Lens home position sensor</td></tr><tr><td>MPHPS</td><td>No.4/5 mirror home position sensor</td></tr></table></td><td></td></tr>
<tr><td></td><td>03</td><td>Used to test the zoom lens movement.
• The zoom ratio is displayed on the zoom ratio window.
AB series machine 100% → 50% → 70% → 81% → 86% → 115% → 122% → 141% → 200%
Inch series machine 100% → 50% → 64% → 77% → 95% → 121% → 129% → 141% → 200%</td><td></td></tr>
<tr><td></td><td>04</td><td>Used to test the zoom lens in the aging test mode.
• Test command 01-03 are repeated to test.</td><td></td></tr>
<tr><td>02</td><td>01</td><td>Used to test the action of the RADF. The aging test starts when the document presence sensor is manually turned on.</td><td></td></tr>
<tr><td></td><td>02</td><td>This is the test command used to test RADF sensors. On/off state of sensor can be manually tested. When the sensor turns on, the display reverses.
<table><tr><td>Sensing presence of document
DSD</td><td>Sensing DF block open/close
AUOD</td><td>Sensing document width
DWS1</td></tr><tr><td>Sensing pre-fed document
DFD</td><td>Sensing paper feed block open/close
FGOD</td><td>Sensing document width
DWS2</td></tr><tr><td>Sensing document release
RDD</td><td>Sensing paper inversion block open/close
TGOD</td><td>Sensing document width
DSW3</td></tr><tr><td></td><td></td><td>Sensing document width
DSW4</td></tr><tr><td>Sensing document width
DWS</td><td></td><td>Sensing document length
DLS1</td></tr><tr><td></td><td></td><td>Sensing document length
DLS2</td></tr></table>Reverse display: Paper presence/Door open, Normal display: No paper/Door closed</td><td></td></tr>
<tr><td></td><td>03</td><td>Used to test the action of RADF (individual load check)
Motor A forward rotation</td><td></td></tr>
<tr><td></td><td>04</td><td>Motor A revere rotation</td><td></td></tr>
<tr><td></td><td>05</td><td>Motor B forward rotation</td><td></td></tr>
<tr><td></td><td>06</td><td>Motor B revere rotation</td><td></td></tr>
<tr><td></td><td>07</td><td>Belt clutch</td><td></td></tr>
<tr><td></td><td>08</td><td>Paper feed solenoid</td><td></td></tr>
<tr><td></td><td>09</td><td>Inversion solenoid</td><td></td></tr>
<tr><td></td><td>10</td><td>Stopper solenoid</td><td></td></tr>
</table>

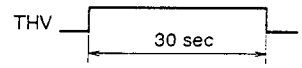
<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>03</td><td>02</td><td>This is the test command used to test the sensors in the sorter.
On/off state of sensors can be manually tested.
When the sensor turns on, the display reverses.
<table>
<tr><td>Paper entry sense (non-sort)
PES/SPID</td><td>Indexer upper limit sense
IULS/—</td><td>Sorter set sense
SJS/JSW</td></tr>
<tr><td>Paper entry sense (sort)
—/SPPD</td><td>Indexer lower limit sense
ILLS/—</td><td>Top cover open/close sense
UCSW/—</td></tr>
<tr><td>Paper out sense
PWB-S/—</td><td>Indexer (bin) home sense
IHS/BHPS</td><td>Blower cover open/close sense
FCSW/—</td></tr>
<tr><td>Bin paper sense
—/BPED</td><td>Indexer (bin) position sensor
IPS/LCHPS</td><td>Staple cover open/close sense
—/SCSW</td></tr>
<tr><td>Staple position paper sense
—/SPED</td><td>Guide bar home position sense
—/SGHPS</td><td>Staple unit home position sense
—/SCS</td></tr>
<tr><td>Staple unit position sense
—/SSD</td><td>Staple operation home position sesnse
—/SHPS</td><td>Stapler needle sense
—/SED</td></tr>
</table>
Note: The signal names are given in the order of S15/S53.
Reverse display: paper found/door opened/ON
Normal display: no paper found/door closed/OFF</td><td></td></tr>
<tr><td></td><td>03</td><td>Used to test the components of the sorter (individual load check).
Transport motor rotation</td><td></td></tr>
<tr><td></td><td>04</td><td>Indexer motor rotation (returns to the home position at first, then stops at each bin location Bin 1 to Bin 21, moving up and down. Sorter bin moving.</td><td></td></tr>
<tr><td></td><td>05</td><td>Fan motor rotation in the case of SF-S15 only</td><td></td></tr>
<tr><td></td><td>06</td><td>Gate solenoid ON</td><td></td></tr>
<tr><td></td><td>07</td><td>Offset solenoid (in the case of SF-S53)</td><td></td></tr>
<tr><td></td><td>08</td><td>Stapler motor rotation (the paper is stapled once when there is a paper in the stapler tray). (SF-S53 only)</td><td></td></tr>
<tr><td></td><td>09</td><td>Paper holder solenoid operation check (SF-S53 only)</td><td></td></tr>
<tr><td></td><td>10</td><td>Guide motor operation check</td><td></td></tr>
<tr><td>04</td><td>02</td><td>This is the test command used to test sensors in the desk. On/off state of the sensors can be manually tested.
When a sensor turns on, the display reverses.
<table>
<tr><td>Sensing paper fed from the upper cassette
DPOD1</td><td>Upper cassette lift upper limit sensor
DLUD1</td><td>Sensing paper presence on the upper cassette
DPE1</td></tr>
<tr><td>Sensing paper fed from the middle cassette
DPOD2</td><td>Middle cassette lift upper limit sensor
DLUS2</td><td>Sensing paper presence on the middle cassette
DPE2</td></tr>
<tr><td>Sensing paper fed from the bottom cassette
DPOD3</td><td>Bottom cassette lift upper limit sensor
DLUD3</td><td>Sensing paper presence on the bottom cassette
DPE3</td></tr>
<tr><td>Sensing door close/open
DDOP</td><td>—</td><td>—</td></tr>
</table>
Reverse display: paper found/door opened/ON
Normal display: no paper found/door closed/OFF</td><td></td></tr>
<tr><td></td><td>03</td><td>Used to test the on/off state of the first cassette size switch of the desk.
When the switch turns on, the display reverses.
(Cassette size board)
Switch positions when viewed from the front frame
 
</td><td></td></tr>
<tr><td></td><td>04</td><td>Used to test the on/off state of the second cassette size switch of the desk. Function is identical to the test command 04-03.</td><td></td></tr>
<tr><td></td><td>05</td><td>Used to test the on/off state of the third cassette size switch of the desk. Function is identical to the test command 04-03.</td><td></td></tr>
</table>

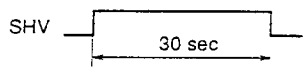
Main code	Sub code	Description	Ref. Page
04	06	Transport motor rotation. (Desk)	
	07	Motor turns off when detected the upper limit of the first cassette lift up motor rotation. (Desk).	
	08	Motor turns off when detected the upper limit of the second cassette lift up motor rotation. (Desk)	
	09	Motor turns off when detected the upper limit of the third cassette lift up motor rotation. (Desk)	
	10	Activate transport clutch of the desk	
	11	Activate first cassette paper feed solenoid of the desk	
	12	Activate paper feed clutch of the first cassette of the desk	
	13	Activate second cassette paper feed solenoid of the desk	
	14	Activate paper feed clutch of the second cassette of the desk	
	15	Activate third cassette paper feed solenoid of the desk	
	16	Activate paper feed clutch of the third cassette of the desk	
05	01	All LED's on the operation panel are turned on for five seconds. After five seconds, the machine automatically goes into the sub code input wait state.	
	02	This is the test command used to test the heater lamp. Heater lamp turned on and off five times.  The heater turns on and off in the order shown above.	
	03	This is the test command used to test the copy lamp. Copy lamp turned on in the following order. When the test command starts, the copy lamp turns full power for one second with the manual exposure setting 3.0 shown, and the copy lamp intensity can be changed to the power set on the exposure setup key for a period of 6.25 seconds.  Use care not to damage original cover or RADF belt. * Refrain from repeating this test command without waiting for lamp and glass to cool.	
	04	This is the test command used to check activation of the discharge lamp (DL) and the blank lamps (BL). The discharge lamp (DL) turns on for 30 seconds. Each blank lamp turns on, from the front frame side to the rear frame side. Finally, all blank lamps turn on. After lighting, the machine automatically goes into the sub code input wait state.	
06	02	Activation of the separation solenoid Used to test the action of the drum separator pawl solenoid.	
07	01	Aging test with alert for paper misfeed 1. Used to check the warmup time. 2. Executes the continuing aging test for the given number of copies. When the test command is executed, the machine performs its normal action and the warmup time starts to count from zero and increase count every one second. The count is displayed on the copy lamp window. When the RPL is turned on, the addition of the copy number is interrupted with the copy number remaining on display as it is. When the CLEAR key is pressed, the copy number must be entered on the keypad, and with depression of the PRINT switch, the given number of copies repeated to produce. In this case, the paper misfeed function comes alive.	
	02	Aging test without alert for paper misfeed Aging test is done without feeding paper. This test command is similar to 07-01. But, it does not alert paper misfeed occurrence. The warmup time check is similar as the test command 07-01.	
	03	Aging test without misfeed and fusing This test command is similar to 07-01. But, it does not count the warmup time and disregards the heater and paper feed troubles, without activating the heater lamp.	
	04	Warmup disabled Machine action is checked disregarding the warmup time. When the test command is executed, the RPL immediately turns on. Although the machine action may be tested, it may show the trouble status H4 depending on the case if low heater temperature is found.	
	06	Intermittent aging test	
	07	Intermittent aging test without alert for paper misfeed	
	08	Warm up time display (without aging) To check warm-up time, follow simulation 7-01.	

<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>22</td><td>13</td><td>° Key operator code display
Used to check the key operator code registered voluntarily by the key operator.</td><td></td></tr>
<tr><td>24</td><td>01</td><td>° Misfeed map memory and total misfeed counter clear</td><td></td></tr>
<tr><td></td><td>03</td><td>° RADF counter clear
The contents of the copy number counter is reset for the RADF.
It is mandatory to clear the memory contents after the maintenance is completed.</td><td></td></tr>
<tr><td></td><td>04</td><td>° Duplex counter clear
The contents of the copy number counter is reset to the duplex unit.
It is mandatory to clear the memory contents after the maintenance is completed.</td><td></td></tr>
<tr><td></td><td>05</td><td>° Staple counter clear
The staple unit using counter is cleared to zero.</td><td></td></tr>
<tr><td></td><td>06</td><td>° Developer correction counter clear
The developer copy quantity correction counter is cleared to zero.</td><td></td></tr>
<tr><td></td><td>07</td><td>° Drum film wear counter clear
The drum film wear correction counter is cleared to zero.</td><td></td></tr>
<tr><td>25</td><td>01</td><td>Main motor activation
• Used to check malfunction in the main motor drive train. (Rotates for 3 min.)
• Also, monitors the toner density sensor. (Sensor output value display)
[C] → [=⌟] → [0] → [=⌟] → [2] → [5] → [PSW] → [1] → [PSW]</td><td></td></tr>
<tr><td></td><td>02</td><td>Automatic developer adjustment
• This is the test command used to monitor the toner sensor and to automatically set the developer.
• For automatically setting developer, the developing tank is stirred and the toner sensor output is monitored. The sensor is monitored 16 times in 3 minutes after the stirring started and the mean value is stored in the memory as the toner density referance value. (See the area marked with an asterisk in the figure below.) (Afterwards, referance changes as copies are made to maintain density.)
 

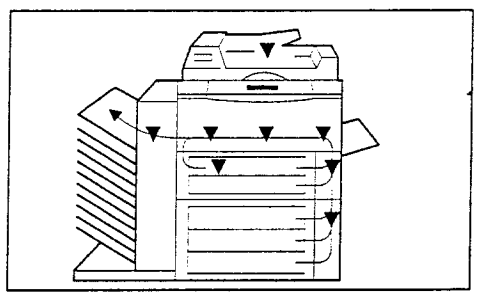
[C] → [=⌟] → [0] → [=⌟] → [2] → [5] → [PSW] → [2] → [PSW]</td><td></td></tr>
<tr><td></td><td>03</td><td>Setting of toner control ignoring time when warming up
Used to set toner control ignoring time when warming up. (Set time: 0 - 99 sec)</td><td></td></tr>
<tr><td>26</td><td>01</td><td>Option unit setup
• Used to set up option unit.
① When the test command is executed, the presently stored machine setup code is displayed with the READY lamp turned on.
② After the READY lamp has turned on, enter an appropriate setup code on the keypad and press the PRINT switch. Then, the date is stored in the memory and the READY lamp turns off.
<table>
<tr><th>Code</th><th>Option</th></tr>
<tr><td>1</td><td>RADF</td></tr>
<tr><td>4</td><td>Desk</td></tr>
<tr><td>5</td><td>RADF + desk</td></tr>
<tr><td>10</td><td>Sorter</td></tr>
<tr><td>11</td><td>RADF+ sorter</td></tr>
<tr><td>14</td><td>Desk + sorter</td></tr>
<tr><td>15</td><td>RADF + desk + sorter</td></tr>
</table>
° Used to set the code that corresponds to an option unit.
(EX): To set the RADF and desk together with ADU, enter "5" (1+4=5). "7" is on display.
NOTES:
(1) Be sure to enter the code that corresponds to the installed option unit.
(2) If option setup is incorrect, a trouble code is displayed. See the trouble code chart.</td><td></td></tr>
</table>

<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>26</td><td>03</td><td>Counter mode setup
① When the test command is executed, the code of the presently stored mode is displayed with the READY lamp turned on.
② After the READY lamp has turned on, enter an appropriate setup code on the keypad and press the PRINT switch. Then, the code is stored in the memory and the READY lamp turns off.
<table>
<tr><th>Code</th><th>Total counter</th><th>Maintenance counter</th></tr>
<tr><td>0</td><td>Double count</td><td>Double count</td></tr>
<tr><td>1</td><td>Single count</td><td>Double count</td></tr>
<tr><td>2</td><td>Double count</td><td>Single count</td></tr>
<tr><td>3</td><td>Single count</td><td>Single count</td></tr>
</table></td><td></td></tr>
<tr><td></td><td>06</td><td>Destination setup
Used to set the destination setting.
① When the test command is executed, the presently stored model number and the destination code are displayed (see table below) and the READY lamp turns on.
② After the READY lamp has turned on, enter the model number and the destination code on the keypad and press the PRINT switch to store the setting in the memory. The READY lamp then turns off.
<table>
<tr><th>Code</th><th>AB/Inch</th><th>Destination</th></tr>
<tr><td>1</td><td>AB</td><td>U.K. (SUK)</td></tr>
<tr><td>4</td><td>AB</td><td>JAPAN</td></tr>
<tr><td>5</td><td>AB</td><td>AB series except U.K. (SEEG, SCA, EXTRA)</td></tr>
<tr><td>6</td><td>Inch</td><td>U.S.A. (SEC)</td></tr>
<tr><td>7</td><td>Inch</td><td>Inch series except U.S.A. (SECL, EXTRA)</td></tr>
</table></td><td></td></tr>
<tr><td></td><td>07</td><td>Drum sensitivity setup
① When the test command is executed, the number stored in the memory is recalled and the READY lamp turns on.
② A number 1 to 3 may be entered on the keypad while the RPL is active.
③ Press the PRINT switch after the number has been entered. With this, the READY lamp turns off and the test command number is displayed.
∘ Drum
<table>
<tr><td>Keypad entry</td><td>1</td><td>2</td><td>3</td></tr>
<tr><td>Sensitivity</td><td>1</td><td>2</td><td>3</td></tr>
</table></td><td></td></tr>
<tr><td></td><td>08</td><td>Lens characteristics entry (at a time of lens replacement)
For each lens has a variance in its focal distance, the lens moving distance in any zoom mode must correspond with the focal distance of the lens. The zoom ratio varies proportionate to the variance of the lens focal distance.
To avoid focus problem, the class of the lens focal distance (refer to chart on page 7-11) is stored in the memory using the test command. In a variable zoom mode, the lens moving distance that corresponds to the lens focal distance is obtained on the basis of the data so as to produce the accurate zoom copy.
Setup method (26-08)
① When the test command is executed, the presently stored preset code is displayed and the READY lamp turns on.
② After the READY lamp turned on, enter the lens number shown on the top of lens area and press the PRINT switch to store the value in the memory. The READY lamp now turns off.
[C] → [=J] → [0/0] → [=J] → [2] → [6] → [PSW] → [8] → [PSW] → [1] → [4] → [PSW]</td><td>[7]-3-(6)</td></tr>
<tr><td></td><td>09</td><td>4/5 mirror characteristics entry (at a time of lens replacement)
① Set the correction value for lens marked value based on "lens value vs. test command input."
Press [C] → [=J] → [0/0] → [=J] → [2] → [6] → [PSW] → [9] → [PSW] keys to execute the test command 26-09.
As the READY lamp turns on, the previously set value 1 to 21 is shown.
② Enter the new value on the keypad.
EX: If the value shown on the lens is +1, 2, enter "14."
Press the [1] → [4] → [PSW] keys.
 
</td><td>[7]-3-(6)</td></tr>
</table>

<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>08</td><td>01</td><td>Developing bias voltage output. After delivering the output, the machine automatically goes into the sub code input wait state.
This is the test command used to check the developing bias voltage. The developing bias voltage is turned on for 30 seconds.
Standard developing bias setting is –200VDC.</td><td>[7]-1(3)</td></tr>
<tr><td></td><td>02</td><td>Main (charge) corona output [ME]. After delivering the output, the machine automatically goes into the sub code input wait state.
Standard manual exposure mode main corona grid voltage is –875±15V.
This is the test command used to check the main corona variance between the front and rear sides. The corona output continues for 30 seconds.
• The main corona variance must be within 8µA between the front and the rear.</td><td>[7]-4-(3)</td></tr>
<tr><td></td><td>03</td><td>Main corona output [PE]. After delivering the output. the machine automatically goes into the sub code input wait state.
Standard photographic mode main corona grid voltage is –560±15V.</td><td>[7]-2-(3)</td></tr>
<tr><td></td><td>04</td><td>Main corona output [TSM]. After delivering the output. the machine automatically goes into the sub code input wait state.
Standard TSM main corona grid voltage is –710V±15V.</td><td>[7]-2-(3)</td></tr>
<tr><td></td><td>06</td><td>Transfer corona output [TSM]. After delivering the output, the machine automatically goes into the sub code input wait state.
This is the test command used to check the transfer corona output (THV). The transfer corona output continues for 30 seconds.
 

Standard transfer corona output is –31±5µA with variance between the front and rear at 8µA, maximum.</td><td>[7]-2-(3)</td></tr>
<tr><td></td><td>07</td><td>Separation corona output. After delivering the output. the machine automatically goes into the sub code input wait state.
This is the test command used to check the separation corona output (SHV). The separation corona output continues for 30 seconds.
 

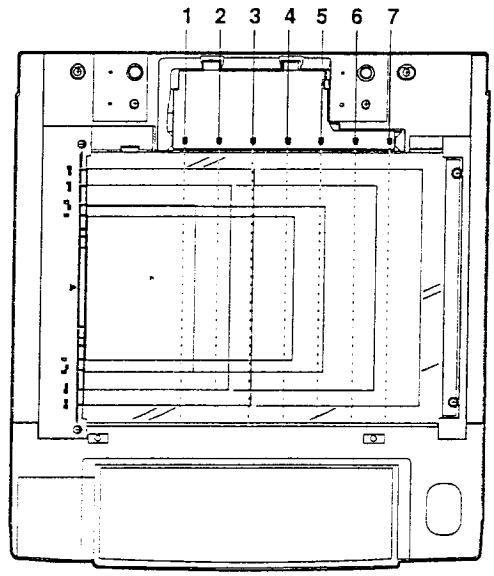
Standard separation corona output is -10 to 10 Vdc (Japan).</td><td>[7]-2-(3)</td></tr>
<tr><td>09</td><td>02</td><td>ADU sensor check test command ON/OFF state of each sensor can be manually checked.
When the sensor turns on, the display reverses.
<table><tr><th>Sensor</th><th>Function</th></tr><tr><td>DPPD1</td><td>ADU transport sensor 1</td></tr><tr><td>DPPD2</td><td>ADU transport sensor 2</td></tr><tr><td>DTPID</td><td>ADU tray sensor</td></tr><tr><td>DPFD</td><td>ADU tray out sensor</td></tr><tr><td>APHPS1</td><td>ADU alignment plate home position sensor</td></tr><tr><td>APHPS2</td><td>ADU rear edge plate home position sensor</td></tr></table></td><td></td></tr>
<tr><td></td><td>03</td><td>ADU trail edge plate drive motor rotation
• Used to check the trail edge plate movement
(AB series)
HP.A3 → B4 → A4R → B5R → A4 → B5 → A5 →
(Inch series)
HP.11" x 17" → 11" x 14" → 8½" x 11"(R) → 8½" x 11" →</td><td></td></tr>
<tr><td></td><td>04</td><td>ADU alignment plate drive motor rotation
• Used check the alignment plate movement
(AB series)
HP.A3 → B4 → A4R → B5R → A4 → B5 → A5 →
(Inch series)
HP.11" x 17" → 11" x 14" → 8½" x 11"(R) → 8½" x 11" →</td><td></td></tr>
<tr><td></td><td>05</td><td>Gate solenoid activation
Used to check the gate solenoid operation.</td><td></td></tr>
</table>

Main code	Sub code	Description	Ref. Page
10	—	Toner motor activation Used to check the toner motor activation.	
14	—	Trouble code cancellation This is the test command used to cancel other than the "U2" trouble (H2, H3, H4). After the trouble has been removed, the test command terminates.	
16	—	U2 trouble code cancellation This is the test command used to cancel the "U2" trouble code. After the trouble code has been removed, the test command terminates.	
17	—	PF trouble cancel Used to cancel the PF trouble in the machine with PC Modem when the copy inhibition command from the host machine is received. After cancelling the trouble, the test command is automatically cancelled.	
20	—	Maintenance counter clear Used to reset the maintenance preset counter to zero after the maintenance is completed. It is mandatory to clear the counter after the maintenance is completed.	
21	01	° Maintenance cycle setting Used to set the maintenance cycle. Code Maintenance cycle 0 ····· 80,000 sheets 1 ····· 5,000 sheets 2 ····· 10,000 sheets 3 ····· 20,000 sheets 4 ····· 40,000 sheets 5 ····· None The default is 0.	
22	01	° Maintenance counter display Copy number of the maintenance counter is displayed.	
	02	° Maintenance preset counter display This test command is used to check the contents of the maintenance preset cycle counter.	
	03	° JAM memory display (JAM map display) Displays the causes (positions) of JAM occurred in copy operation. (Max. 50 JAMs from the recent one) To check the history of JAM cause, press the message forward feed key.  Simulation No.22-3 JAM memory display	
	04	° Total misfeed counter display	
	05	° Total counter display This counter is used to show the total copy number of the machine.	
	06	° Developer counter display The contents of the copy number counter of the installed developing unit is displayed.	
	07	° Developer preset cycle counter display Number of developer replacements and the reset counter contents of the installed developing unit are displayed.	
	08	° RADF counter display Used to check the number of originals fed through the RADF.	
	09	° Duplex counter display Used to check the number of sheets fed through the duplex unit.	
	10	° Staple counter display Used to check the number of use of the staple unit.	
	11	° Developer correction counter display Used to check the correction level according to the number of copy quantity.	
	12	° Drum film wear correction counter Used to check the correction level according to the copy quantity of the drum.	

Main code	Sub code	Description	Ref. Page
26	09		

Lens display value		Correction reference value			
Oi	OL	No. 4/5 mirror focus adjustment (45MB) 48-01	Vertical magnification ratio adjustment 48-01-➡	Lens characteristics input value 26-08 No. 4/5 mirror characteristics input value 26-09	Lens display value Oi
+8.0	+4.0	2	20	21	+7.6 ~ 7.85
+7.8 ~ 7.9		3			
+7.6 ~ 7.7	+3.8 ~ 3.9	4	21		
+7.4 ~ 7.5		5			
+7.2 ~ 7.3	+3.6 ~ 3.7	6	22	20	+6.8 ~ 7.5
+7.0 ~ 7.1		7			
+6.8 ~ 6.9	+3.4 ~ 3.5	8	23		
+6.6 ~ 6.7		9			
+6.4 ~ 6.5	+3.2 ~ 3.3	10	24	19	+6.0 ~ 7.7
+6.2 ~ 6.3		11			
+6.0 ~ 6.1	+3.0 ~ 3.1	12	25		
+5.8 ~ 5.9		13			
+5.6 ~ 5.7	+2.8 ~ 2.9	14	26	18	+5.2 ~ 5.9
+5.4 ~ 5.5		15			
+5.2 ~ 5.3	+2.6 ~ 2.7	16	27		
+5.0 ~ 5.1		17			
+4.8 ~ 4.9	+2.4 ~ 2.5	18	28	17	+4.4 ~ 5.1
+4.6 ~ 4.7		19			
+4.4 ~ 4.5	+2.2 ~ 2.3	20	29		
+4.2 ~ 4.3		21			
+4.0 ~ 4.1	+2.0 ~ 2.1	22	30	16	+3.6 ~ 4.3
+3.8 ~ 3.9		23			
+3.6 ~ 3.7	+1.8 ~ 1.9	24	31		
+3.4 ~ 3.5		25			
+3.2 ~ 3.3	+1.6 ~ 1.7	26	32	15	+2.8 ~ 3.5
+3.0 ~ 3.1		27			
+2.8 ~ 2.9	+1.4 ~ 1.5	28	33		
+2.6 ~ 2.7		29			
+2.4 ~ 2.5	+1.2 ~ 1.3	30	34	14	+2.0 ~ 2.7
+2.2 ~ 2.3		31			
+2.0 ~ 2.1	+1.0 ~ 1.1	32	35		
+1.8 ~ 1.9		33			
+1.6 ~ 1.7	+0.8 ~ 0.9	34	36	13	+1.2 ~ 1.9
+1.4 ~ 1.5		35			
+1.2 ~ 1.3	+0.6 ~ 0.7	36	37		
+1.0 ~ 1.1		37			
+0.8 ~ 0.9	+0.4 ~ 0.5	38	38	12	+0.4 ~ 1.1
+0.6 ~ 0.7		39			
+0.4 ~ 0.5	+0.2 ~ 0.3	40	39		
+0.2 ~ 0.3		41			
−0.1 ~ +0.1	−0.1 ~ +0.1	42	40	11	−0.4 ~ +0.3
−0.3 ~ 0.2		43			
−0.5 ~ 0.4	−0.3 ~ 0.2	44	41		
−0.7 ~ 0.6		45			
−0.9 ~ 0.8	−0.5 ~ 0.4	46	42	10	−1.2 ~ 0.3
−1.1 ~ 1.0		47			
−1.3 ~ 1.2	−0.7 ~ 0.6	48	43		
−1.5 ~ 1.4		49			
−1.7 ~ 1.6	−0.9 ~ 0.8	50	44	9	−2.0 ~ 1.1
−1.9 ~ 1.8		51			
−2.1 ~ 2.0	−1.1 ~ 1.0	52	45		
−2.3 ~ 2.2		53			

<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>26</td><td>09</td><td>
<table>
<tr><th colspan="2">Lens display value</th><th colspan="3">Correction reference value</th><th rowspan="2">Lens display value
Oi</th></tr>
<tr><th>Oi</th><th>OL</th><th>No. 4/5 mirror focus adjustment (45MB)
48-01</th><th>Vertical magnification ratio adjustment
48-01-➡</th><th>Lens characteristics input value
26-08
No. 4/5 mirror characteristics input value
26-09</th></tr>
<tr><td>–2.5 ~ 2.4</td><td rowspan="2">–1.3 ~ 1.2</td><td>54</td><td rowspan="2">46</td><td rowspan="4">8</td><td rowspan="4">–2.8 ~ 1.9</td></tr>
<tr><td>–2.7 ~ 2.6</td><td>55</td></tr>
<tr><td>–2.9 ~ 2.8</td><td rowspan="2">–1.5 ~ 1.4</td><td>56</td><td rowspan="2">47</td></tr>
<tr><td>–3.1 ~ 3.0</td><td>57</td></tr>
<tr><td>–3.3 ~ 3.2</td><td rowspan="2">–1.7 ~ 1.6</td><td>58</td><td rowspan="2">48</td><td rowspan="4">7</td><td rowspan="4">–3.6 ~ 2.7</td></tr>
<tr><td>–3.5 ~ 3.4</td><td>59</td></tr>
<tr><td>–3.7 ~ 3.6</td><td rowspan="2">–1.9 ~ 1.8</td><td>60</td><td rowspan="2">49</td></tr>
<tr><td>–3.9 ~ 3.8</td><td>61</td></tr>
<tr><td>–4.1 ~ 4.0</td><td rowspan="2">–2.1 ~ 2.0</td><td>62</td><td rowspan="2">50</td><td rowspan="4">6</td><td rowspan="4">–4.4 ~ 3.5</td></tr>
<tr><td>–4.3 ~ 4.2</td><td>63</td></tr>
<tr><td>–4.5 ~ 4.4</td><td rowspan="2">–2.3 ~ 2.2</td><td>64</td><td rowspan="2">51</td></tr>
<tr><td>–4.7 ~ 4.6</td><td>65</td></tr>
<tr><td>–4.9 ~ 4.8</td><td rowspan="2">–2.5 ~ 2.4</td><td>66</td><td rowspan="2">52</td><td rowspan="4">5</td><td rowspan="4">–5.2 ~ 4.3</td></tr>
<tr><td>–5.1 ~ 5.0</td><td>67</td></tr>
<tr><td>–5.3 ~ 5.2</td><td rowspan="2">–2.7 ~ 2.6</td><td>68</td><td rowspan="2">53</td></tr>
<tr><td>–5.5 ~ 5.4</td><td>69</td></tr>
<tr><td>–5.7 ~ 5.6</td><td rowspan="2">–2.9 ~ 2.8</td><td>70</td><td rowspan="2">54</td><td rowspan="4">4</td><td rowspan="4">–6.0 ~ 5.1</td></tr>
<tr><td>–5.9 ~ 5.8</td><td>71</td></tr>
<tr><td>–6.1 ~ 6.0</td><td rowspan="2">–3.1 ~ 3.0</td><td>72</td><td rowspan="2">55</td></tr>
<tr><td>–6.3 ~ 6.2</td><td>73</td></tr>
<tr><td>–6.5 ~ 6.4</td><td rowspan="2">–3.3 ~ 3.2</td><td>74</td><td rowspan="2">56</td><td rowspan="4">3</td><td rowspan="4">–6.8 ~ 5.9</td></tr>
<tr><td>–6.7 ~ 6.6</td><td>75</td></tr>
<tr><td>–6.9 ~ 6.8</td><td rowspan="2">–3.5 ~ 3.4</td><td>76</td><td rowspan="2">57</td></tr>
<tr><td>–7.1 ~ 7.0</td><td>77</td></tr>
<tr><td>–7.3 ~ 7.2</td><td rowspan="2">–3.7 ~ 3.6</td><td>78</td><td rowspan="2">58</td><td rowspan="4">2</td><td rowspan="4">–7.6 ~ 6.7</td></tr>
<tr><td>–7.5 ~ 7.4</td><td>79</td></tr>
<tr><td>–7.7 ~ 7.6</td><td rowspan="2">–3.9 ~ 3.8</td><td>80</td><td rowspan="2">59</td></tr>
<tr><td>–7.9 ~ 7.8</td><td>81</td></tr>
<tr><td>–8.0</td><td>–4.0</td><td>82</td><td>60</td><td>1</td><td>–7.85 ~ 7.5</td></tr>
</table>
</td><td></td></tr>
<tr><td></td><td>11</td><td>Auto clear time setting
Possible to set between 1 and 99 seconds (default at 60 seconds).</td><td></td></tr>
<tr><td>27</td><td>01</td><td>PPC communication trouble</td><td></td></tr>
<tr><td>30</td><td>01</td><td>Monitoring main unit paper sensor
Used to check the on/off state of paper sensor in the copier.
When the sensor turns on, the display reverse.</td><td></td></tr>
<tr><td></td><td>02</td><td>Monitoring paper cassette size
Used to check the on/off state of paper cassette size. When the switch turns on, the display reverses.</td><td></td></tr>
</table>

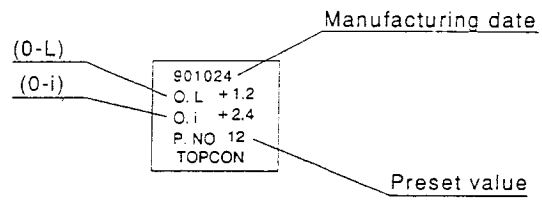
<table>
<tr><th>Main code</th><th>Sub code</th><th>Description</th><th>Ref. Page</th></tr>
<tr><td>41</td><td>01</td><td>Document size photosensor check
The length of the document is sensed by way of the sensor beam interrupt method.
When the sensor turns on, the display reverses.
<table><tr><th>Axis</th><th>Japan AB series</th><th>Export AB series</th><th>Export inch series</th></tr><tr><td>1</td><td>—</td><td>A5</td><td>8½" x "5½</td></tr><tr><td>2</td><td>B5</td><td>A4</td><td>11" x 8½"</td></tr><tr><td>3</td><td>A4</td><td>—</td><td>—</td></tr><tr><td>4</td><td>B5R</td><td>A4R</td><td>11" x 8½" (R)</td></tr><tr><td>5</td><td>AR4</td><td>—</td><td>—</td></tr><tr><td>6</td><td>B4</td><td>B4</td><td>11" x 14"</td></tr><tr><td>7</td><td>A3</td><td>A3</td><td>11" x 17"</td></tr></table>Original size sensors chec.
OCSW is used to check open/close of the original cover. Refer to page 7-18 for sensors corresponding to each destination.
Reverse display: Cover open
Normal display: Cover closed
 
</td><td>[7]-4-(1)</td></tr>
<tr><td></td><td>02</td><td>Document size photosensor setup. Refer to adjustment section page 7-18.</td><td>[7]-4-(2)</td></tr>
<tr><td></td><td>03</td><td>° Document sensor beam receiving level and setup level
Used to check the document sensor level. Refer to adjustment section.
1. Receiving level display
• The receiving level when the test command is in execution is displayed.
2. Setup level display
• The referance level of each sensor that was set by way of the test command 41-2 is displayed.</td><td>[7]-4-(2)</td></tr>
<tr><td>42</td><td>*</td><td>° Developer counter clear
Reset the contents of the copy number counter of the installed developing unit.</td><td></td></tr>
<tr><td>43</td><td>*</td><td>° Fuser temperature setup
Used to set the fuser temperature.
When the test command is executed, the currently programmed fuser temperature is shown. When the message feed key is pressed here, the fuser temperature setting can be changed in increments of 5C. Press the PRINT switch to set.
(Japan) 180 → 185 → 190 → 195 → 200
→ 205 →160 → 165 → 170 → 175</td><td></td></tr>
<tr><td>44</td><td>01</td><td>Correction mode setting
[+1] Process control correction enable
[+2] Optical dirt correction enable
[+4] Drum layer wear correction enable
Note: When all are "Enable," set simulation 44-01=[07].
The corrections, except for the process control correction mode, can be disabled in the normal copy mode. When "0" is inputted, "1" (Process control correction) is enabled. (Automatic setting)</td><td></td></tr>
</table>

Main code	Sub code	Description	Ref. Page
44	02	Drum mark sensor sensitivity adjustment : 0 ~ 100 100=5V For the drum mark sensor gain rank, [2] is selected. The main motor rotates and the drum mark sensor sensing level is displayed on the multi-display section. Adjust VR1 in the process unit to obtain [90±4].	
	03	Image density sensor sensitivity adjustment : 0 ~ 100 100=5V For the image density sensor gain rank. [2] is selected. The main motor rotates and the image density sensor sensing level is displayed on the multi-display section. Adjust VR2 in the process unit to obtain [90±4].	
	05	Test mode The main motor rotates to form images in nine steps of the grid bias level from 350V to 590V (30V step) on the drum, and the image density sensor level is displayed on the LCD. Display GB_INI *** GB_PAT *** STD_BA *** IDBAS1 *** IDBAS2 *** STD_PT *** 350v_1 *** 380v_2 *** 410v_1 *** 440v_1 *** 470v_2 *** 500v_1 *** 530v_1 *** 560v_2 *** 590v_1 *** GB_INI 44-11 Patch set level : 1~99 50=typ. 440V GB_PAT Current process control set level : 1~99 50=typ. 440V STD_BA Image density sensor drum surface sense level in the process control initial measurement : 0~100 100=5V IDBAS1 Image density level on the drum surface (1) : 0~100 100=5V IDBAS2 Image density level on the drum surface (2) : 0~100 100=5V STD PA Image density sensor patch sense level in initial measurement of process control : 0~100 100=50V 350V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V 380V_2 Image density sensor level with the set bias (Corresponds to the image density sensor level 2 on the surface) : 0~100 100=5V 410V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V 440V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V 470V_2 Image density sensor level with the set bias (Corresponds to the image density sensor level 2 on the surface) : 0~100 100=5V 500V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V 530V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V 560V_2 Image density sensor level with the set bias (Corresponds to the image density sensor level 2 on the surface) : 0~100 100=5V 590V_1 Image density sensor level with the set bias (Corresponds to the image density sensor level 1 on the surface) : 0~100 100=5V	
	06	Compulsory execution of process control : 1~99 50=typ. 440V The main motor rotates to display the initial patch forming grid bias level GB_INI[**] in the multi-display. After the completion of the measurement, the patch forming grid bias level GB_PAT[**] after the process control is displayed and data which are stored in the back-up memory are displayed on the LCD.	
	07	Drum mark sensor/image density sensor gain select check : 0~100 100=5V The image density sensor level can be checked for selection of each gain rank.	

Gain rank	DM sensor	ID sensor	Amplifying rate (current amount) of the sensor for rank 2		
1	No. 0	No. 7	About 85%		
2	No. 1	No. 8	100%	1 vs 2	116%
3	No. 2	No. 9	About 115%	2 vs 3	115%
4	No. 3	No. 10	About 152%	3 vs 4	132%
5	No. 4	No. 11	About 163%	4 vs 5	107%
6	No. 5	No. 12	About 171%	5 vs 6	105%
7	No. 6	No. 13	About 203%	6 vs 7	119%

Since the max. difference in amplifier rates between two gains is 132%, supposing the max. sensor input is 4.8V, the gain rank is increased by +1 for 3.6V.

Main code	Sub code	Description	Ref. Page
44	09	Process control data display Display NORMAL *** TS *** PHOTO *** GBBAS2 *** GB_PAT *** STD_PA *** DMCNT *** IDCNT *** STD_BA *** IDBAS1 *** IDBAS2 *** IDBAS3 *** IDPAT1 *** IDPAT2 *** IDPAT3 *** MARK *** MAK_BA NORMAL Normal mode grid bias level : (1~999V)/10 TS TSM grid bias level : (1~999V)/10 PHOTO Photo mode grid bias level : (1~999V)/10 GB BEF Grid bias output level on measurement of IDPAT2 patch : 1~99 50=typ. 440V GB_PAT Current process control measurement patch output grid bias level : 1~99 50=typ. 440V STD_PA Image density sensor patch sense level on initial measurement of process control : 0~100 100=50V DMSNT Gain rank of drum mark sensor selected in process control : 1~7 IDCNT Gain rank of image density sensor selected in process control : 1~7 STD_BA Image density sensor drum surface sense level in initial measurement of process control : 0~100 100=5V BASE1 Image density sensor level (1) on drum surface : 0~100 100=5V BASE2 Image density sensor level (2) on drum surface : 0~100 100=5V BASE3 Image density sensor level (3) on drum surface : 0~100 100=5V IDPAT1 Image density sensor level at the set bias: –32V mode : 0~100 100=5V IDPAT2 Image density sensor level at the set bias: ±0VV mode : 0~100 100=5V IDPAT3 Image density sensor level at the set bias: +32V mode : 0~100 100=5V MARK Drum mark sensor drum mark sense level : 0~100 100=5V MAK_BA Drum mark sensor drum surface sense level : 0~100 100=5V	
	11	Enters the copy aging mode to allow the following operation and setting. Display 850V GB_INI *** GB_NOM *** GB_TS *** GB_POTO *** 1000V The desired output is selected by the message forward feed key. The gird bias output selected when pressing PSW is delivered. (The set level is stored in the backup memory.) 850V fixed output (High voltage unit VR adjustment) GB_INI Patch forming voltage check Set level: 50=440V When the measurement level is higher. make the set level smaller. (1 step: 4V) When the measurement voltage is lower, make the set level greater. GB_NOM (For the normal mode ME/AE) Set level: 50=850V output To make the measurement voltage smaller, make the set level smaller. (1 step: 4V) To make the measurement voltage greater, make the set level greater. GB_TS (For TSM mode ME/AE) Set level: 50=700V output To make the measurement voltage smaller, make the set level smaller. (1 step: 4V) To make the measurement voltage greater, make the set level greater. GB_POTO: (For photo mode ME) Set level: 50 = 560V output To make the measurement voltage smaller, make the set value smaller. (1 step: 4V) To make the measurement voltage greater, make the set value greater. 1000V fixed output (High voltage unit check)	
46	01	◦ Exposure level adjustment Used to adjust the copy density and the copy density select level. Refer to adjustment section page 7-19.	[7]-5-(5)

Main code	Sub code	Description	Ref. Page
47	*	∘ AE sensor characteristics measurement AE sensor output characteristics memory (1) AE sensor output characteristics input Press the [C] → [=J] → [0] → [=J] → [4] → [7] → [PSW] keys. The mirror base is initialized, scans about 10cm, then stops. The READY lamp turns on now and becomes ready to measure. Press the PRINT switch. The copy lamp driving voltage changes in increments of 5V (10V) each from 80V (160V) to 55V (110V), and the AE sensor output characteristics are stored in the memory. The values are used as referances. NOTE: Shown in parenthesis is for the 200V series machine.	[7]-5-(2)
48	01	Front/rear direction zoom ratio adjustment (refer to [7]-3-(6)-9 for the lens type value. Used to set the No.4/5 mirror home position (focal adjustment) and to adjust the zoom ratio of the copy in the vertical direction (from front to rear). There are two kinds of test command 48-01 of which are described as follows. 1-1. Horizontal copy zoom ratio standard value input method (at a time the lens or main PWB replacement) Press the [C] → [=J] → [0] → [=J] → [4] → [8] → [PSW] → [➡] keys. The already set value or "40" is displayed. Substitute the value of "O.L" shown on the label attached to the lens with the formula value. 40 – [(value of O.L.) x 5] = standard value of correction Ex: 40 – (+1.2 x 5) = 34 1-2. Use this test command to adjust the horizontal zoom ratio. Change the value entered in "1-1" to change. 2-1. No.4/4 mirror home position standard value input (at a time of lens or main PWB replacement). Press the [C] → [=J] → [0] → [=J] → [4] → [8] → [PSW] [1] → [PSW] keys. The already stored value or "42" is displayed. Substitute the value of "O.L" shown on the label attached to the lens with the formula value. 42 – [(O.L value) x 10] = standard value of correction Ex: 42 – (+1.2 x 10) = 30 2-2. To adjust the resolution, change the value entered at "2-1" using this test command. When the No. 4/5 mirror reference value is "+" from the center value "50", the mirror is shifted away from the lens to lengthen the light path. When it is "–", the mirror is shifted to the lens to shorten the light path. The value is calculated in this manner.  Label contents	[7]-3-(1) -(3) [7]-3-(2) -(4)
	02	∘ Paper moving direction zoom adjustment Used to adjust the zoom ratio in the landscape mode. Varying the mirror base moving speed adjusts the zoom factor in the landscape direction of the copy (paper moving direction). ① Place a scale over the original table in the direction the paper moves. Make a copy in the 100% zoom mode and obtain the copy zoom ratio correction factor. Copy zoom correction factor = (original size) – $\frac{\text{(copy image size)}}{\text{(original size)}} \times 100\%$ ② As the READY lamp turns on, the previously set figure between 15 and 35 is displayed. Change it with the copy zoom factor correction factor obtained in ①. (Input value) = (previously stored value) + copy zoom ratio correction factor [%] x 10 Press the PRINT switch after entering the input value. With this, the input value is stored in the memory and the READY lamp turns off.	[7]-3-(5)
50	01	Used to adjust the copy lead edge image loss and void areas. For more information, refer to the optical system copy lead edge adjustment procedure.	[7]-3-(11)
	02	The function of this test command is similar to the test command 50-01. The test command 50-02 allows easier lead edge adjustment using the values of L1 and L2. For more information, refer to the optical system copy lead edge adjustment procedure.	[7]-3-(11)

Main code	Sub code	Description	Ref. Page
51	02	◦ Resist roller adjustments Used to set the on timing of the paper feed roller (rate of buckle in the paper caused by the resist roller). When the test command is executed, the manual feed mode is automatically established. Change the manual feed mode resisting rate, cassette paper feed resist rate, and ADU paper feed resist rate independantly. Press the [C] → [=] → [0.0] → [=] → [5] → [1] → [PSW] → [2] → [PSW] → keys. The manual feed lamp turns on → ① Enter number → press the cassette key (main unit bottom cassette and pause lamp turn on) → ② enter number → press the cassette key (main unit bottom cassette lamp turns on) → ③ enter number → press the cassette key. ①: Manual feed paper resist rate adjustment (MALTI TRAY) ②: Cassette paper resist rate adjustment (TRAY) ③: ADU paper resist rate adjustment (ADU) RESIST AMOUNT ADJUSTMENT MULTI TRAY : 40 TRAY : 45 ADU : 50	[7]-2-(2)
	05	◦ Frame delete rate adjustment (copy moving direction only) Used to set the frame delete rate. • When the test command is executed, the READY lamp turns on, and the figure previously stored is displayed on the copy number window. Now, it becomes ready to accept a number between 1 and 19 on the keypad. When the PRINT switch is pressed after the entry, the number is stored in the memory and the READY lamp turns off. A single rate deletes the frame of about 1.0mm. The standard value has been set to "6."	[7]-2-(2)
52	01	◦ ADU alignment plate adjust value setup Used to adjust the home position of the ADU alignment plate. When the test command is executed, the READY lamp turns on. Enter a new value as the previously set value came displayed, and press the PRINT switch to stored it in the memory. It can be adjustable from 1 to 99. The default is 7. Setting a smaller value increases the width of the alignment plate and vice versa.	
	02	◦ ADU rear plate adjust value setup Used to adjust the home position of the ADU rear plate. When the test command is executed, the READY lamp turns on. Enter a new value as the previously set value came displayed, and press the PRINT switch to stored it in the memory. It can be adjustable from 0 to 99. The default is 0. Setting a smaller value increases the width of the rear plate and vice versa.	
	03	ADU drive clutch off time setup Can be set to any number between 0 and 10 in increments of 10ms each (default: 4). 0 = 30ms 1 = 0ms ····· 4 = 30ms ····· 10 = 90ms Setting a smaller value shortens the ADU clutch off timings and decreases the enforced curling rate of paper.	
53	01	◦ RADF stop position adjustment value setup (plain paper copied on one side) Used to adjust the RADF stop position for the single side copy of plain paper. When the test command is executed, the READY lamp turns on. Enter a new value as the previously set value came displayed, and press the PRINT switch to stored it in the memory. It can be adjustable from 0 to 15.	
	02	◦ RADF stop position adjustment setup (for double side copy on plain paper) Used to adjust the RADF stop position in the double side copy of plain paper. When the test command is executed, the READY lamp turns on. Enter a new value as the previously set value came displayed, and press the PRINT switch to stored it in the memory. It can be adjustable from 0 to 15.	
	03	◦ RADF stop position adjustment setup (thin paper mode) Used to adjust the RADF stop position for light paper. When the test command is executed, the READY lamp turns on. Enter a new value as the previously set value came displayed, and press the PRINT switch to stored it in the memory. It can be adjustable from 0 to 15.	
	04	◦ RADF resist sensor adjustment Used to adjust the RADF resist sensor. (For ADF, adjust the length sensor and the passing width sensor.) When the test command is executed, the RADF resist sensor is adjusted and its value is displayed.	
	05	◦ RADF and ADF eject sensor adjustment Used to adjust the RADF eject sensor. When the test command is executed, the RADF eject sensor is adjusted the value is displayed.	

(Trouble codes list)

Trouble status code	Subordinate code	Description
L4	01	Main motor lock detection
L5	03	No.4/5 mirror motor error detection
	04	No.4/5 mirror motor MHPS error detection
	05	Lens motor error detection
	06	Lens motor LHPS error detection
L8	01	Power supply line frequency error detection
H2	—	Open thermistor (Test command 14 to reset)
H3	—	Heat roller high temperature detection (Test command 14 to reset)
H4	—	Heat roller low temperature detection (Test command 14 to reset)
U2	00	Memory. Counter sumcheck error detection (Test command 16 to reset)
	01	
U3	20	Mirror motor lock detection
	21	Mirror motor MHPS error detection
U4	02	ADU alignment plate malfunction detected
	04	ADU rear plate malfunction detected
U5	00	ADF communication trouble detected
	01	A motor malfunction detected
	02	B motor malfunction detected
	03	Resist sensor malfunction detected
	04	Eject sensor malfunction detected
U6	00	Desk communication trouble detected
	01	Desk-1 cassette liftup motor trouble detected
	02	Desk-2 cassette liftup motor trouble detected
	03	Desk-3 cassette liftup motor trouble detected
	08	Desk 24V line error detected
	09	LCC motor overcurrent detected
	10	Desk transport motor trouble detected
U7	00	Communication trouble between PC/Modem and the copier.
F1	00	Sorter communication trouble detected
	01	Paper jog malfunction detected
	02	Transport motor malfunction detected
	04	Indexer lower limit detected
	05	Indexer upper limit detected
	06	Shift motor malfunction detected
F2	02	Toner motor malfunction detected
	31	ID sensor level abnormality (less than 3V)
		ID sensor photo conductor surface level abnormality (less than 2.25V)
	32	DM sensor level abnormality (less than 3V)
		DM sensor cannot sense.
		When measuring the gain level (at 1.5 rotations of the drum)
		DM sensor cannot sense.
		When measuring the patch (at 1.5 rotations of the drum)
	35*	Adjustment impossible for GB (-32V * 4 times)
		Adjustment impossible for GB (+32V *7 times)
		Preliminary adjustment impossible for GB (-200V to -88V)
F3	12	Main unit upper cassette liftup motor trouble detected
	22	Main unit bottom cassette liftup motor trouble detected
EE	EL	Toner sensor indicates extreme overtoned condition
	EU	Toner sensor indicates extreme undertoned condition
CC	—	Original size detect sensor level abnormality.

Mark " * ": The error display is given only when performing the simulation. (For the process control at warming-up,, the error display is not given.)

Display codes other than trouble

Trouble codes	Sub code	Operation
CH	—	Door open/DV unit uninstalled
PC	—	Personal counter uninstalled/auditor code input waiting
PF	—	Copy inhibit command is received from the host when installing PC/Modem.

(Key operator program)

The list below shows all key operator programs. These programs can be used only when the key operator code in inputted at the beginning.

Code	Program name	Function
* P10	Department control counter setting/clear	Sets or clears the department control counter.
* P11	Copy quantity count total	Used to display the total of copy quantities of the departments.
* P13	Total clear	Used to clear the total of copy quantities of the department.
* P14	Department number setting (Register/clear/change/display	Used to register/clear/change department numbers, and also to display the registered department numbers.
* P16	Set/cancel of the upper limit of copy quantity	Used to set or cancel the maximum allowable copy quantity of each department.
* P18	Alarm to a mistaken input of a department number	The alarm display is given when a department number is erroneously inputted 3 times continuously. (To prevent against use in another department.)
P19	Key operator code number change	Used to change a key operator code number.
P20	Auto copy exposure level adjustment	Used to adjust copy exposure under the auto copy exposure mode.
P21	Time setting in the power save mode	Used to set the time for automatically turning off the power after turning on the power. (Adjustable from 10 min to 24 hours.)
P23	Auto clear time setting	Used to set the time for automatically returning to the normal state after completion of copying. (Adjustable from 10 sec to 240 sec.)
P24	Fixed magnification ratio setting	Used to add or change fixed magnification ratios. (2 ratios for each of reduction and enlargement.)
P25	Copy set quantity upper limit setting	Used to set the upper limit of copy set quantity (the number of copy sets or the number of copies).
P26	Standard binding margin setting	Used to set the standard binding margin.
P27	Edge erase width setting	Used to set the edge erase width.
P28	Standard state setting	Used to set the state when the power is turned on (standard state).
P29	General total copy quantity display	Used to display the general total of the copier, the duplex auto feed unit, the duplex module, or the stapler.
P30	Setting cancel of the auto repeat function of copy set quantity	Used to set or clear the auto repeat function.
P45	Message display time setting	Used to set the message display time.
P70	Auto paper selection function inhibition	Used to inhibit the auto paper selection.
P71	Auto tray selection inhibition	Used to inhibit auto tray selection (paper feed).
P72	Manual paper feed inhibition in auto duplex copy	Used to inhibit manual paper feed from the tray in the auto duplex copy mode.
P73	Registered copy condition rewrite inhibition	Used to inhibit rewriting of copy condition registered by the copy condition register function.
P74	Duplex auto feeder inhibition	Used to inhibit the use of the duplex auto feeder, when it is in trouble. (When the optional duplex auto feeder is installed.)
P75	Auto duplex copy inhibition	Used to inhibit the use of the duplex module. (When the optional duplex module is installed.)
P76	Staple function inhibition	Used to inhibit the use of the staple unit when it is in trouble. (When the optional staple sorter is installed.)
P77	Cover insertion copy inhibition	Used to inhibit the cover insertion function. (When the optional duplex auto feed unit is installed.)
P90	Program list display	Used to display all key operator programs in the message screen.

The programs marked with " * " cannot be set when the optional code-number-system department control counter (SF-EA12) or the card-system department control counter.

[9] MAINTENANCE AND OTHERS

The maintenance of the SF-2035 should be performed every 80K and 120K cycles.
<Remarks>
★= lubrication, ○=cleaning, △=adjustment, ▲=replacement/mounting, □=repositioning,
×=check (cleaning, replacement and/or adjustment if necessary)

* Toner consumption and waste toner bottle replacement cycle are replacement cycle when using the reference chart (6% original).

Section	Part	Timing										
		Installation	Service call	80K	120K	160K	240K	320K	360K	400K	480K	Note
Developer	Developer (Black)	▲		▲		▲	▲	▲		▲	▲	
	Toner cartridge (Black)	▲										User replacement
	Developer seal					▲		▲			▲	
Drum	Drum	(▲)			▲		▲		▲		▲	
	Cleaner blade			▲		▲	▲	▲		▲	▲	
	Toner receiving seal				×		▲		×		▲	
	Separation pawl unit				▲		▲		▲		▲	
	Charging plate unit (saw teeth)				▲		▲		▲		▲	
	MC case		○		○		○		○		○	
	Screen grid		○ (×)		▲		▲		▲		▲	
	BL/DL lamp		○		○		○		○		○	
	Drum mark sensor				×		×		×		×	
	Drum density sensor				×		×		×		×	
	Toner disposal box											User replacement every 20K
	TC wire		○ (×)	▲		▲	▲	▲		▲	▲	
	TC case		○	○		○	○	○		○	○	
Suction	Suction belt		○ (×)	F		○	○	○		○	○	
	Ozone filter			▲		▲	▲	▲		▲	▲	
Fuser	Upper heat roller			○		▲	○	▲		○	▲	
	Upper heat roller gear			★		▲	★	▲		★	▲	
	Lower heat roller			○		▲	○	▲		○	▲	
	Upper separation pawl			▲		▲	▲	▲		▲	▲	
	Lower separation pawl			▲		▲	▲	▲		▲	▲	
	Upper cleaning roller	▲		▲		▲	▲	▲		▲	▲	
	Lower cleaning roller	▲		▲		▲	▲	▲		▲	▲	
	Thermistor			○		○	○	○		○	○	
	Gears			★		★	★	★		★	★	
Optical	Mirror/lens/reflector/filter		○	○		○	○	○		○	○	
	Drive wire/Pulley			×		×	×	×		×	×	
	Optical rail			★		★	★	★		★	★	
	Sensors		○	○		○	○	○		○	○	
	Table glass/Original cover		○	○		○	○	○		○	○	
Paper feed	Rollers (manual feed, 500-sheet cassette, ADU)		○	○		○	○	○		○	○	
	Torque limiter (Manual, 500-sheet cassette, ADU)		×	×		○★	×	○★		×	○★	
	PS roller pair		○	○		○	○	○		○	○	
	Transport roller pair		○	○		○	○	○		○	○	
	500-sheet cassette brake spring		×	★		★	★	★		★	★	
Others	Paper transport section paper guide		○	○		○	○	○		○	○	
	Gear section (drive)		★	★		★	★	★		★	★	
Picture quality			×	×	×	×	×	×	×	×	×	

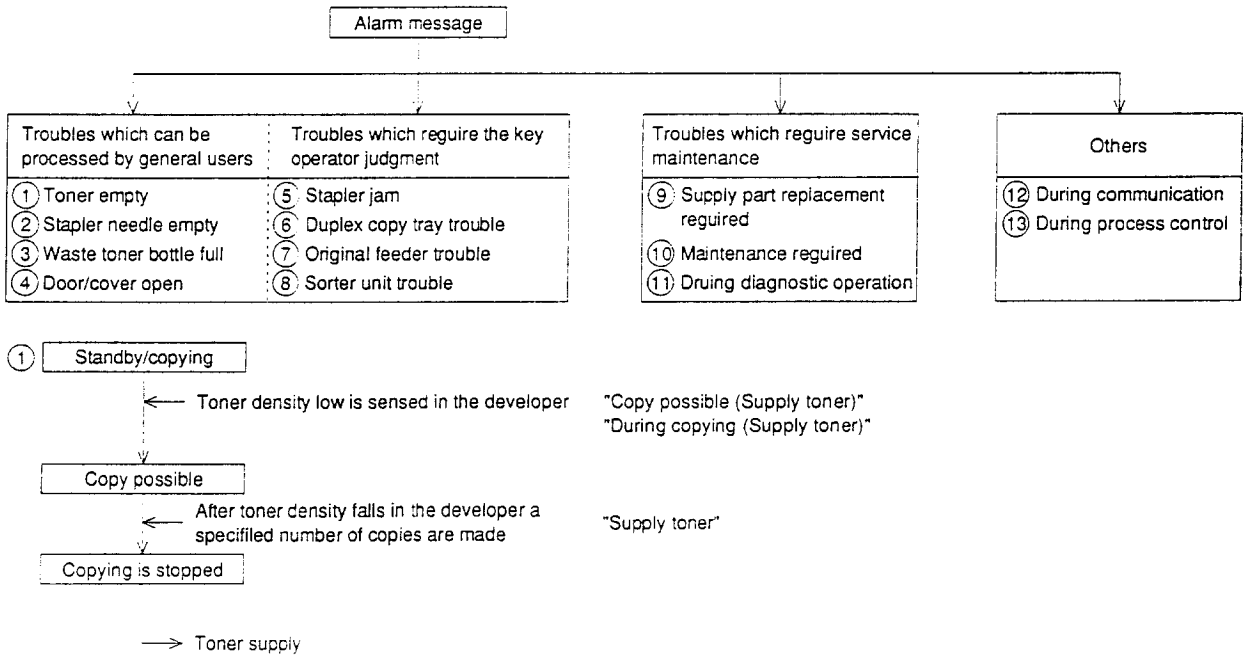
2. Counters and Simulations Related to Maintenance

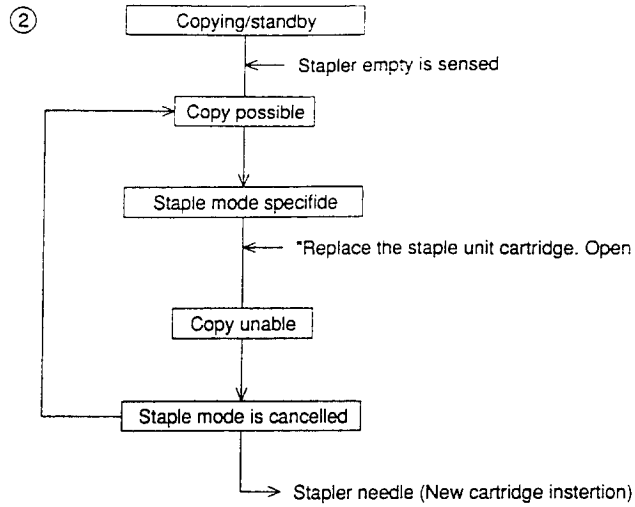
(1) List of counters and simulations related to maintenance

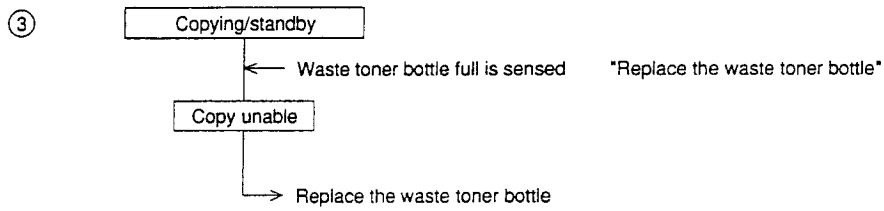
Function	Simulation		Description
	Main code	Sub code	
Clear the maintenance counter	20	*	The contents of the counter is cleared to zero.
Set the maintenance cycle	21	01	Code Maintenance cycle 0 ..... 80,000 sheets 1 ..... 5,000 2 ..... 10,000 3 ..... 20,000 4 ..... 40,000 sheets 5 ..... free
Display the maintenance count	22	01	The copy quantity stored in the maintenance counter is displayed.
Display the maintenance preset count		02	The contents of the preset cycle counter are displayed.
Display the jam map		03	
Display the total jam count		04	
Display the total count		05	The total copy quantity is displayed.
Display the developer count		06	The number of using the currently mounted developing unit is displayed.
Display the developer preset count		07	The contents of the developer replacement preset cycle counter are displayed.
Display the RADF count		08	Used number of RADF is displayed.
Display the duplex count		09	The quantity used by the duplex unit is displayed.
Drum layer wear correction count display		12	Displays the content of the drum layer wear correction counter.
Clear the jam memory and total jam counter	24	01	The contents of the jam memory and total jam counter are cleared to zero.
Clear the RADF count		03	The contents of the RADF copy quantity counter are cleared to zero.
Clear the duplex count		04	The contents of the duplex unit copy counter are cleared to zero.
Drum layer wear correction count clear		07	The drum layer wear correction counter is reset to 0.
Clear the developer count	42	*	The contents of the developer counter are cleared to zero.

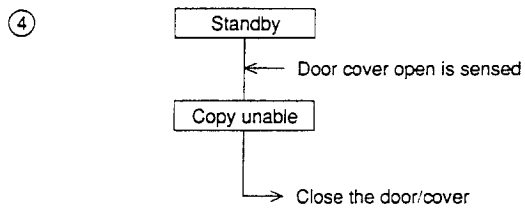
(2) Alarm message

When any trouble occurs which makes it unable to start or continue copying, one of the following messages is displayed. When the trouble is cancelled, the message is cleared and the machine is automatically reset.

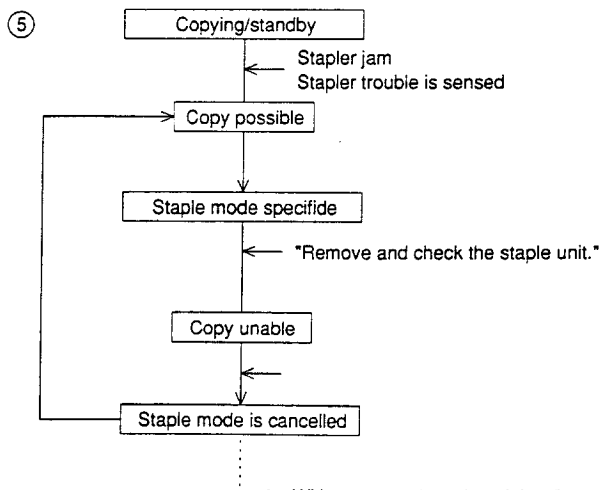

Alarm message
Troubles which can be processed by general users
Troubles which reguire the key operator judgment
Troubles which reguire service maintenance
Others
(1) Toner empty
(2) Stapler needle empty
(3) Waste toner bottle full
(4) Door/cover open
(5) Stapler jam
(6) Duplex copy tray trouble
(7) Original feeder trouble
(8) Sorter unit trouble
(9) Supply part replacement reguired
(10) Maintenance reguired
(11) Druing diagnostic operation
(12) During communication
(13) During process control
(1) Standby/copying
Toner density low is sensed in the developer
"Copy possible (Supply toner)"
"During copying (Supply toner)"
Copy possible
After toner density falls in the developer a specifiled number of copies are made
"Supply toner"
Copying is stopped
Toner supply



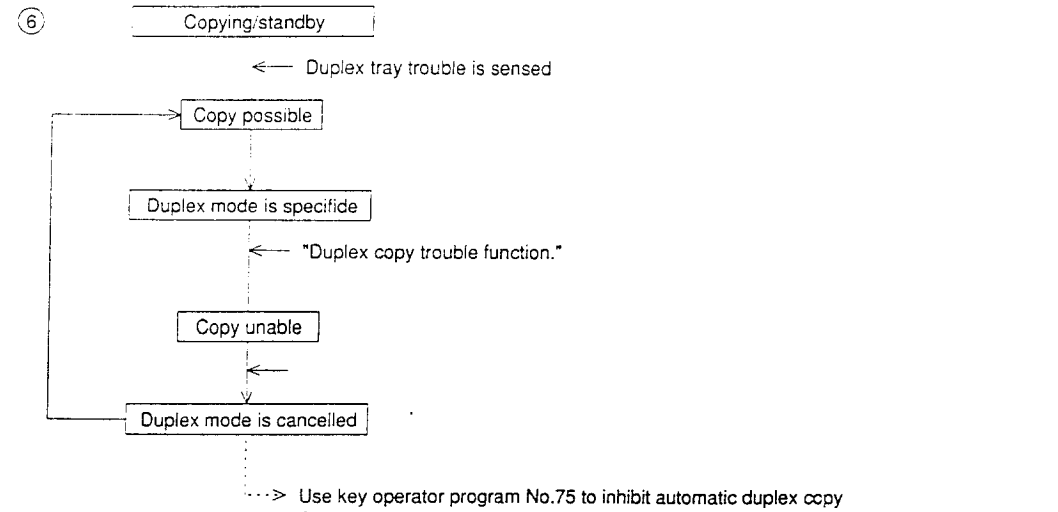




- When the door is open.
  "Close the front cover of the body."
- When the left door of the body is open
  "Close the left cover of the body."
- When the right door is open.
  "Close the right cover of the body."
- When the right door of the desk unit (option) is open.
  "Close the right cover of the paper feed unit."
- When the sorter cover is open.
  "Close the sorter cover."
- When the sorter is in abnormal state or the right cover is open
  "Check the sorter installation/cover open."



With removal of staple unit jam/key operator program No.76 the staple function is inhibited
Cancel: By opening/closing the staple unit cover
When the staple unit cover is open or closed without removing the trouble
the message may be displayed again in the staple mode


⑥
Copying/standby
Duplex tray trouble is sensed
Copy possible
Duplex mode is specifide
"Duplex copy trouble function."
Copy unable
Duplex mode is cancelled
Use key operator program No.75 to inhibit automatic duplex ccpy
Cancel: If the power is turned on/off without canceling the error the machine goes into the ready mode but the message is displayed again when the duplex mode is selected

⑦, ⑧ Use of the function or the unit is inhibited
⑦ Original feeder No.74
⑧ Stsple function No.76

⑨, ⑩, ⑪ Service maintenance is performed

⑫ • The remote diagnosis function is operated. If copying is unable during communication between the machine and the host computer the following message is display (In normal cases copying takes priorty)
"Wait for a while. Data is being transmitted to service."

⑬ • During measurement of process control sensor
Copying is unable during feedback process control and the following message is displayed
"Wait for a while. Pictur guality is adjusted."

(3) Setting the copy counter mode

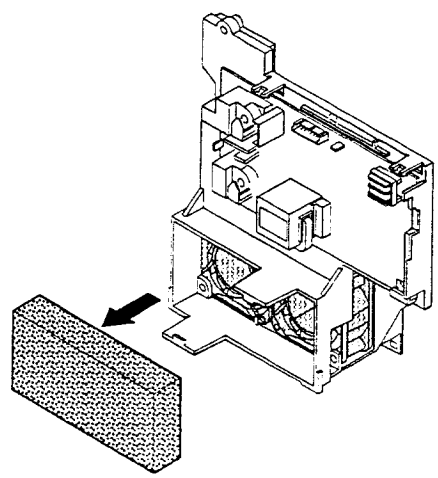
Simulation		Setting code	Auto-clear available	Maintenance counter	Total counter
Main	Sub				
26	03	0	○	double count	double count
		1	○	double count	single count
		2	○	single count	double count
		3	○	single count	single count

*1 The double/single count is limited to apply to A3-size paper.
*2 Code other than those given in the above table is invalid or may cause operation error.

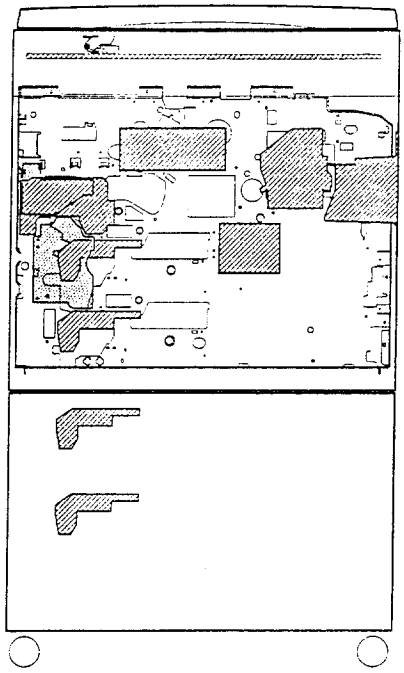
3. Replacing the Ozone Filter

The purpose of the ozone filter is to suppress emitting ozone from the machine, which is generated during corona discharge in the charger units. In order to maintain this effect, the ozone filter requires to be replaced every 80,000 sheets of copy paper.

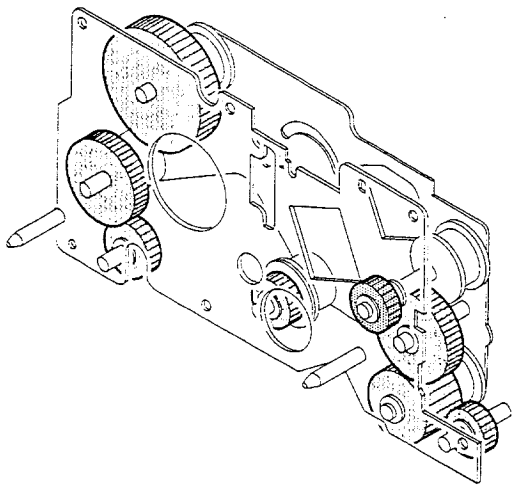
(1) Replacing the suction ozone filter



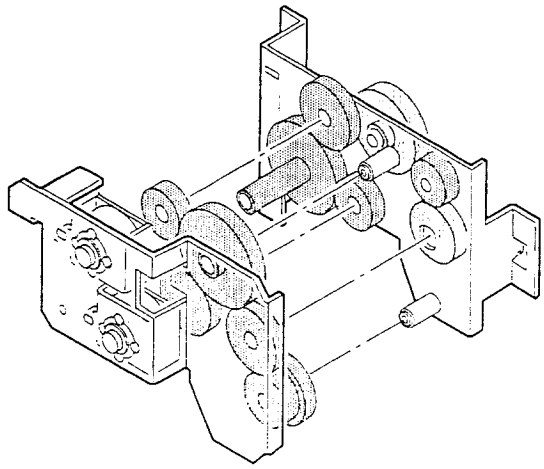
4. Oil/Grease Points



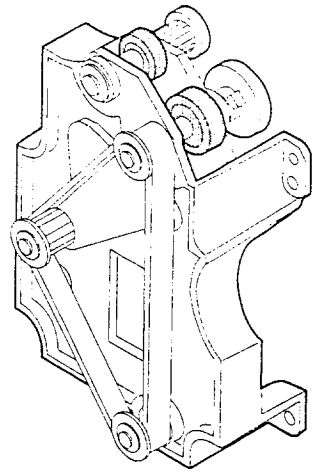
(1) Gear of main driving unit



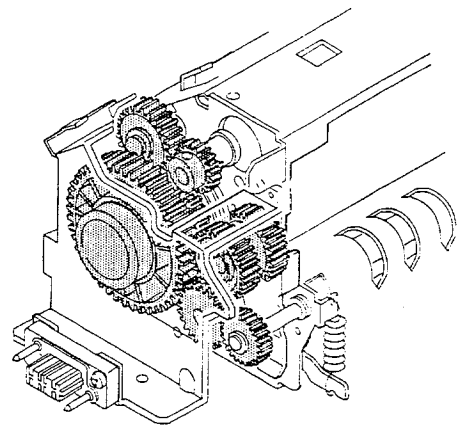
(2) Gear of variable-speed paper-feed unit



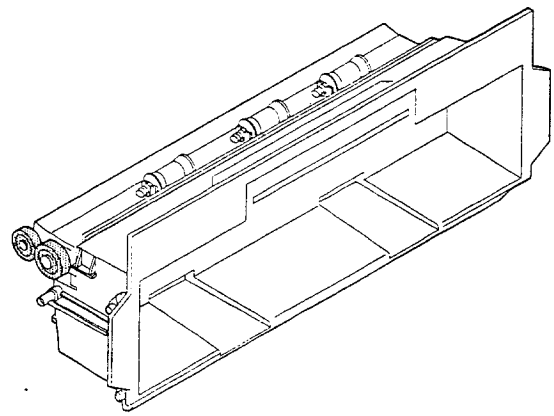
(3) Gear of paper-feed driving unit



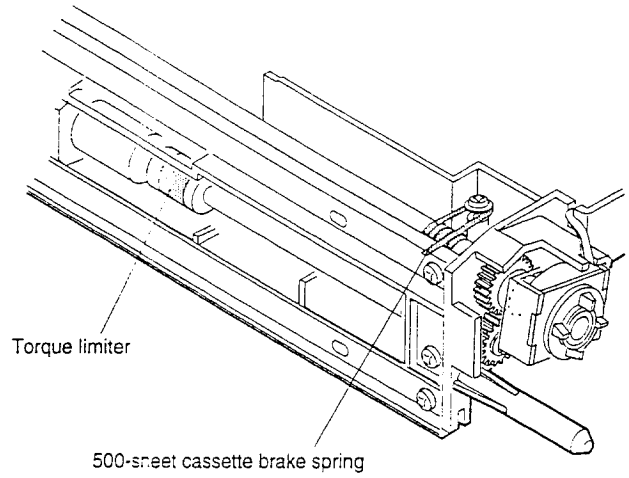
(4) Fusing unit driving gear



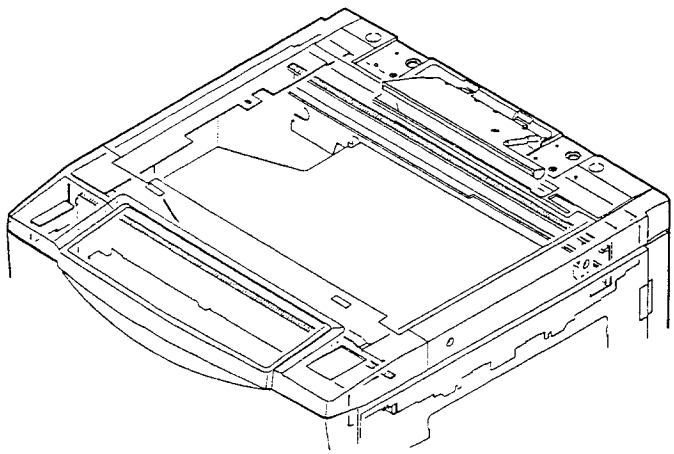
(5) Paper exit roller driving gear



(6) Paper-feed torque limiter
500-sheet cassette brake spring



(7) Optical rail



Note 1: Grease (Molycoat(UKOG-0062FCZZ) or White Molycoat(UKOG-0158FCZZ)) must be applied to the correct grease points of each gear. Do not use too much grease.

Note 2: No grease shall be applied inside the gear of the magnetic clutch.

5. Maintenance Schedule of Options

Maintenance of options must be done during that of the machine.
Maintenance of SF-D20/D21/SF-DM11 is as follows:

- Duplex unit: Perform Simulation 22-9 to read out data in the duplex counter, and conduct maintenance on the basis of the data.
- Desk: every 80,000 sheets of copy paper.

Maintenance of RADF/ADF is as follows:
Perform Simulation 22-08 to check the contents of the RADF/ADF copy counter, and then conduct maintenance every 80,000 sheets of copy paper.
★ = lubrication ○ = cleaning △ = adjustment ▲ = replacing/mounting × = check(cleaning, replacing and/or adjustment, if necessary), □= repositioning

■索 引 (Index)

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
〔C〕						
CARMM0164FC01	31- 27	AM	EG	N	C	
CARMM0165FC01	31- 28	AM	EG	N	C	
CBŌX-0089FC01	14- 15	AX	FX		C	
CBŌX-0089FC56	14- 901	BW	TF	N	E	
CBŌX-0090FC52	15- 901	BM	LE	N	E	
CBRC-0048FC01	26- 29	AS	FG		C	
CBTN-0136FC31	2- 28	AE	DS		E	
CBTN-0163FC01	2- 27	AD	DS	N	C	
CBTN-0164FC01	2- 25	AH	DX	N	C	
CBTN-0165FC01	2- 26	AE	DS	N	C	
CBTN-0166FC01	2- 18	AF	DX	N	C	
CBTN-0167FC01	2- 11	AF	DX	N	C	
CBTN-0170FC01	2- 23	AF	DS	N	C	
CBTN-0171FC01	2- 24	AH	DX	N	C	
CBTN-0173FC01	2- 19	AF	DX	N	C	
CCAB-0749FC01	1- 7	BB	GN		C	
CCAB-0749FC02	1- 7	BB	GN		C	
CCAB-0779FC01	1- 7	BC	GN	N	C	
CCAB-0780FC01	1- 1	BE	GN	N	C	
CCAB-0780FC02	1- 1	BE	GN	N	C	
CCAB-0780FC03	1- 1	BE	GN	N	C	
CCAB-0780FC04	1- 1	BE	GN	N	C	
CCAB-0780FC05	1- 1	BE	GN	N	C	
CCASP0154FC31	27- 901	BF	HG		E	
CCASP0154FC32	27- 901	BF	HG		E	
CCASP0156FC31	29- 901	BR	MW		E	
CCASP0156FC34	29- 901	BR	MW		E	
CCASZ0067FC01	39- 1	AD	DJ		C	
CCASZ0067FC02	39- 1	AM	EG		C	
CCASZ0235FC52	25- 901	AY	FQ	N	E	
CCLEZ0126FC31	16- 39	AV	FG	N	E	
CCLR-0372FC01	26- 39	AH	DX		C	
CCŌVP1132FC31	12- 28	AX	FX		E	
CCŌVP1185FC01	16- 70	AQ	EQ	N	C	
CCŌVP1186FC01	1- 10	AY	FQ	N	C	
CDAIU0451FC51	16- 21	AQ	EQ		E	
CDAIU0459FC01	10- 12	AP	EQ		C	
CFILZ0199FC01	2- 4	AZ	FX	N	C	
CFRM-0732FC53	16- 502	BR	MJ	N	E	
CFRM-0733FC52	16- 501	BS	NE	N	E	
CFRM-0737FC02	22- 27	AV	FG	N	C	
CFRM-0738FC01	22- 45	AN	EQ		C	
CFRM-0743FC01	32- 20	AG	DX		C	
CFRM-0743FC02	32- 20	AM	EG	N	C	
CFRM-0744FC01	32- 36	AM	EG		C	
CFRM-0744FC02	32- 36	AT	EZ	N	C	
CFRM-0747FC01	18- 15	AX	FX		C	
CFRM-0748FC01	18- 50	AW	FQ		C	
CFRM-0792FC01	17- 9	AX	FQ	N	C	
CFRM-0792FC31	9- 9	BL	HV	N	E	
〃	17- 901	BL	HV	N	E	
CFS-T0095FC31	10- 5	AK	EB		A	
CFTA-0088FC01	1- 6	AP	EQ		C	
CFTA-0101FC01	2- 5	AH	EB	N	C	
CGERH0564FC01	18- 10	AK	EB		A	
CGERH0883FC01	14- 26	AE	DS		A	
CGERH0948FC01	14- 23	AF	DX	N	A	
CGIDH1363FC01	6- 22	AM	EG		C	
CGIDM1338FC04	1- 16	AR	EZ	N	C	
CGIDM1338FC05	1- 16	AR	EZ	N	C	
CGIDM1338FC06	1- 16	AQ	EQ	N	C	
CGIDM1341FC01	20- 2	AX	FX		C	
CGIDM1358FC02	25- 8	AN	EG		C	
CHLDZ1091FC01	16- 50	AN	EG		C	
CHLDZ1101FC01	18- 61	AP	EQ		C	
CHLDZ1143FC01	32- 60	AE	DS	N	C	
CLEVP0587FC01	26- 35	AE	DJ		C	
CPAKA4691FC02	39- 2	AZ	FX	N	Y	
CPLTM4027FC01	16- 61	AL	EG		C	
CPLTM4027FC02	16- 61	AK	EB		C	
CPLTM4031FC01	20- 42	AX	FX		C	
CPLTM4034FC01	20- 12	AP	EQ		C	
CPLTM4036FC01	22- 41	AH	DX		C	
CPLTM4037FC01	21- 19	AG	DS		C	
CPLTM4040FC01	27- 4	AP	EQ		C	
〃	29- 11	AP	EQ		C	
CPLTM4048FC01	12- 9	AR	EQ	N	C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
CPLTM4062FC01	6- 5	AH	DX		C	
CPLTM4062FC02	6- 8	AH	DX		C	
CPLTM4067FC51	24- 901	BB	GN		E	
CPLTM4129FC01	24- 9	AS	EZ		C	
CPLTM4145FC01	20- 4	AG	DX		C	
CPLTM4179FC02	8- 15	AP	EQ	N	C	
CPLTM4204FC51	18- 70	AE	DS		E	
CPLTM4211FC51	18- 69	AE	DS		E	
CPNLC0214FC01	2- 6	AZ	FX	N	C	
CPNLC0214FC02	2- 6	AZ	FX	N	C	
CPNLC0214FC03	2- 6	AZ	FX	N	C	
CPWBF0934FC31	3- 9	AX	FX		E	
CPWBF0934FC32	3- 9	AX	FX		E	
CPWBF0935FC31	12- 26	AX	FX		E	
CPWBF0935FC32	12- 26	AX	FX		E	
CPWBF0936FC31	13- 1	AP	EQ		E	
CPWBF0940FC31	13- 2	AS	FG		E	
CPWBF0941FC31	11- 43	AS	FG		E	
CPWBF0969FC51	2- 29	BP	LP	N	E	
〃	34- 901	BP	LP	N	E	
CPWBF0970FC51	16- 9	BN	LP	N	E	
〃	37- 901	BN	LP	N	E	
CPWBF0971FC51	23- 15	BP	LP	N	E	
〃	35- 901	BP	LP	N	E	
CPWBF0972FC51	23- 15	BP	LP	N	E	
〃	35- 901	BP	LP	N	E	
CPWBF0973FC51	23- 15	BS	NE	N	E	
〃	35- 901	BS	NE	N	E	
CPWBF0975FC51	16- 13	AQ	EQ	N	E	
〃	37- 1	AQ	EQ	N	E	
CPWBF0976FC51	16- 66	AQ	EQ	N	E	
CPWBF0977FC31	9- 45	CD	UD	N	E	
〃	36- 901	CD	UD	N	E	
CPWBF0978FC31	9- 45	CE	UH	N	E	
〃	36- 901	CE	UH	N	E	
CPWBF0979FC31	2- 30	BA	GD	N	E	
CPWBF0995FC32	30- 21	AR	EQ	N	E	
CPWBF0996FC31	31- 21	AR	EQ	N	E	
CPWBF0997FC51	16- 60	AP	EQ	N	E	
CPWBF1001FC51	9- 56	AR	EZ	N	E	
CPWBF1009FC31	31- 21	AS	EZ	N	E	
CPWBN0968FC51	9- 4	CC	UB	N	E	
〃	33- 901	CC	UB	N	E	
CPWBN0974FC51	2- 14	CB	TZ	N	E	
〃	38- 901	CB	TZ	N	E	
CPWBN0974FC52	2- 14	CB	TZ	N	E	
〃	38- 901	CB	TZ	N	E	
CPWBN0974FC53	2- 14	CB	TZ	N	E	
〃	38- 901	CB	TZ	N	E	
CPWBN0974FC54	2- 14	CB	TZ	N	E	
〃	38- 901	CB	TZ	N	E	
CPWBN0974FC55	2- 14	CB	TZ	N	E	
〃	38- 901	CB	TZ	N	E	
CR-WZ0242FC11	12- 24	AW	FQ		C	
CR-WZ0244FC05	20- 102	AQ	EZ		C	
CR-WZ0417FC02	12- 22	AU	FQ		C	
CR-WZ0418FC02	12- 22	AU	FQ		C	
CR-WZ0421FC02	12- 22	AU	FQ		C	
CR-WZ0437FC01	12- 22	AV	FG	N	C	
CRALM0096FC01	7- 1	AR	EZ		C	
CRALM0110FC01	28- 16	AQ	EZ		C	
〃	29- 27	AQ	EZ		C	
CRALM0111FC01	28- 7	AQ	EZ		C	
〃	29- 7	AQ	EZ		C	
CREFL0145FC33	10- 901	BP	LP	N	E	
〃	12- 89	BP	LP	N	E	
CREFL0145FC34	10- 901	BP	LP	N	E	
〃	12- 89	BP	LP	N	E	
CRŌLN0586FC32	18- 25	BK	HL	N	S	
CRŌLN0912FC31	18- 73	AZ	FX	N	S	
CRŌLP0921FC01	32- 28	AM	EG		C	
CRŌLR0897FC01	20- 48	AS	EZ		C	
CRŌLR0900FC02	7- 12	AS	EZ	N	C	
CSFTZ1771FC31	32- 56	AT	FG		A	
CSLI-0103FC31	10- 9	AF	DS		C	
〃	11- 4	AF	DS		C	
CSŌU-0099FC35	30- 901	BE	GN	N	E	
CSŌU-0103FC01	39- 3	AW	FQ		C	
CSŌU-0116FC31	31- 901	BM	HZ	N	E	
CSŌU-0116FC32	31- 901	BM	HV	N	E	

SF2035

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
CSPRP1932FC01	20- 24	AE	DS		A	
CYŌK-0039FC01	39- 4	AQ	EQ		S	
【D】						
DHAI-2039FCZZ	11- 42	AU	FQ		C	
DHAI-2045FCZZ	7- 3	AM	EG		C	
DHAI-2046FCZZ	20- 67	AH	DX		C	
DHAI-2049FCZZ	26- 23	AQ	EZ		C	
DHAI-2055FCZZ	32- 1	AK	EB		C	
DHAI-2059FCZZ	8- 4	AR	EZ		C	
DHAI-2065FCZZ	22- 15	AD	DJ	N	C	
DHAI-2066FCZZ	22- 16	AD	DJ	N	C	
DHAI-2067FCZZ	10- 14	AV	FQ		C	
DHAI-2068FCZZ	10- 18	AF	DS		C	
DHAI-2070FCZZ	9- 33	AK	EB		C	
DHAI-2071FCZZ	9- 30	AH	DX		C	
DHAI-2072FCZZ	9- 39	AE	DS		C	
DHAI-2073FCZZ	22- 14	AD	DJ		C	
DHAI-2098FCZZ	8- 4	AS	EZ		C	
DHAI-2103FCZZ	23- 22	AH	DX		C	
DHAI-2108FCZZ	20- 65	AD	DJ		C	
DHAI-2109FCZZ	35- 1	AC	DJ		C	
DHAI-2120FCZZ	9- 3	BM	LE	N	C	
DHAI-2121FCZZ	2- 36	AV	FG	N	C	
〃	9- 1	AV	FG	N	C	
DHAI-2125FCZZ	9- 3	BN	LP	N	C	
DHAI-2126FCZZ	9- 2	BH	HC	N	C	
DHAI-2129FCZZ	16- 10	AX	FQ	N	C	
DHAI-2130FCZZ	2- 35	AT	EZ	N	C	
DHAI-2137FCZZ	31- 33	AQ	EQ	N	C	
DHAI-2196FCZZ	18- 62	AT	EZ	N	C	
DHAI-2197FCZZ	18- 62	AT	EZ	N	C	
DHAI-2201FCZZ	16- 64	AP	EQ	N	C	
DHAI-2202FCZZ	22- 7	AW	FG	N	C	
DHAI-2203FCZZ	2- 37	AN	EQ	N	C	
DHAI-2204FCZZ	33- 1	AB	DJ	N	C	
DHAI-2205FCZZ	2- 34	AE	DS	N	C	
〃	38- 1	AE	DS	N	C	
DHAI-2213FCZZ	19- 9	AS	EZ	N	C	
DHAI-2214FCZZ	14- 29	AV	FG	N	C	
DUNT-6546FCZZ	26- 901	BQ	MJ		E	
DUNT-6547FCZZ	32- 901	BQ	MJ		E	
DUNT-6609FCZZ	32- 901	BR	MJ	N	E	
DUNTM6554FCZZ	9- 16	BF	HG		E	
〃	9- 17	BF	HG		E	
〃	13- 901	BF	HG		E	
DUNTM6599FCZZ	9- 15	BQ	LX	N	E	
〃	22- 901	BQ	LX	N	E	
DUNTW6605FC30	18- 901	CC	UB	N	E	
DUNTW6605FC31	18- 901	CC	UB	N	E	
DUNTW6605FC32	18- 901	CC	UB	N	E	
DUNTW6605FC33	18- 901	CC	UB	N	E	
DUNTW6605FC34	18- 901	CC	UB	N	E	
DUNTW6605FC35	18- 901	CC	UB	N	E	
DUNTW6605FC36	18- 901	CC	UB	N	E	
DUNTW6605FC37	18- 901	CC	UB	N	E	
DUNTW6605FC38	18- 901	CC	UB	N	E	
DUNTW6605FC39	18- 901	CC	UB	N	E	
DWIR-0466CSZZ	25- 3	BG	HC		B	
【G】						
GCAB-0746FCZZ	1- 13	AN	EG		C	
GCAB-0747FCZZ	1- 17	AN	EG		C	
GCAB-0748FCZ1	3- 12	AW	FQ		C	
GCAB-0750FCZ1	1- 9	BD	GN	N	C	
GCAB-0752FCZ1	6- 1	AZ	GD		C	
GCAB-0753FCZZ	6- 4	AU	FQ		C	
GCAB-0754FCZ1	1- 8	BA	GD	N	C	
GCASP0154FCZZ	27- 13	AY	GD		C	
GCASP0155FCZZ	28- 9	BA	GJ		C	
GCASP0156FCZZ	29- 18	BB	GN		C	
GCŌVH0206FCZZ	5- 5	BA	GJ		C	
GCŌVZ0196FCZZ	39- 5	AV	FQ		B	
【H】						
HINDP0401FCZZ	2- 1	AT	EZ	N	C	
HINDP0402FCZZ	2- 2	AM	EQ	N	C	
HINDP0403FCZZ	2- 3	AT	EZ	N	C	
HINDP0404FCZZ	2- 1	AT	EZ	N	C	
HINDP0405FCZZ	2- 2	AM	EQ	N	C	
HINDP0406FCZZ	2- 3	AT	EZ	N	C	
HINDP0407FCZZ	2- 1	AT	EZ	N	C	
HINDP0408FCZZ	2- 2	AM	EQ	N	C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
HINDP0409FCZZ	2- 3	AT	EZ	N	C	
HINDP0410FCZZ	2- 1	AT	EZ	N	C	
HINDP0411FCZZ	2- 2	AM	EQ	N	C	
HINDP0423FCZZ	2- 3	AT	EZ	N	C	
【J】						
JBTN-0167FCZZ	2- 10	AE	DS	N	C	
JBTN-0168FCZZ	2- 17	AB	DJ	N	C	
JBTN-0169FCZZ	2- 16	AE	DS	N	C	
JHNDM0069FCZZ	8- 13	AH	DX		C	
JHNDP0096FCGZ	8- 39	AD	DJ		C	
JHNDP0107FCZZ	28- 1	AW	FQ		C	
〃	29- 1	AW	FQ		C	
JHNDP0109FCZZ	15- 19	AD	DJ		C	
JHNDP0110FCZZ	18- 1	AE	DS		C	
JKNBP0120FCZZ	20- 40	AE	DJ		C	
JKNBP0121FCZZ	18- 41	AE	DS		C	
JKNBP0122FCZZ	16- 7	AC	DD		C	
【L】						
LANGT1343FCZZ	6- 30	AD	DJ		C	
LANGT1350FCZZ	20- 76	AC	DJ		C	
LANGT1366FCZZ	15- 53	AE	DS		C	
LBNDJ0013FCZZ	2- 33	AA	DD		Y	
〃	10- 13	AA	DD		Y	
〃	23- 17	AA	DD		Y	
〃	32- 2	AA	DD		Y	
LBNDJ0014FCZZ	12- 103	AB	DD		Y	
LBNDJ0037FCZZ	18- 59	AA	DD		Y	
LBNDJ0043FCZZ	7- 4	AA	DD		Y	
〃	18- 63	AA	DD		Y	
〃	23- 2	AA	DD		Y	
〃	26- 16	AA	DD		Y	
LBNDJ0054FCZ1	1- 31	AE	DS	N	Y	
LBNDJ0057FCZ1	1- 28	AE	DS	N	Y	
LBNDJ0060FCZ1	30- 27	AC	DJ	N	Y	
LBNDJ0061FCZ1	30- 28	AC	DJ	N	Y	
LBŌSZ0979FCZZ	32- 43	AF	DS		C	
LBŌSZ1124FCZZ	32- 40	AF	DS		C	
LBŌSZ1125FCZZ	32- 37	AC	DD		C	
LBŌSZ1410FCZZ	12- 73	AE	DS		C	
LBSHC0228FCZZ	18- 33	AG	DS		C	
LBSHC0247FCZZ	12- 88	AB	DD		C	
LBSHC0292FCZZ	2- 38	AC	DJ	N	C	
LBSHZ1102CCZZ	3- 5	AC	DD		B	
LBSHZ2050SCZZ	1- 24	AB	DD		C	
LDAIU0325FCŌZ	39- 6	AN	EQ		C	
LDAIU0448FCZZ	20- 62	BE	HC		C	
LDAIU0449FCZZ	27- 8	AC	DJ		C	
〃	29- 26	AC	DJ		C	
LDAIU0450FCZZ	18- 42	AB	DD		C	
LDAIU0453FCZZ	8- 6	AU	FQ		C	
LDAIU0454FCZZ	23- 1	AN	EQ		C	
LDAIU0473FCZZ	16- 65	AF	DS	N	C	
LFIX-0016FCZZ	23- 12	AD	DJ		C	
LFIX-0084FCZZ	23- 12	AC	DD		C	
LFIX-0284FCZZ	11- 11	AC	DD		C	
〃	11- 29	AC	DD		C	
LFIX-0320FCZZ	12- 33	AB	DD		C	
LFIX-0438FCZZ	11- 9	AD	DJ		C	
LFIX-0439FCZZ	11- 10	AC	DD		C	
LFIX-0440FCZZ	6- 24	AB	DD		C	
LFIX-0441FCZZ	18- 17	AB	DD		C	
LFIX-0442FCZZ	18- 16	AB	DD		C	
LFIX-0445FCZZ	10- 17	AD	DJ		C	
LFIX-0446FCZZ	18- 18	AC	DJ		C	
LFRM-0730FCZ1	21- 21	AM	EG	N	C	
LFRM-0731FCZ2	19- 8	AM	EQ	N	C	
LFRM-0732FCZ1	16- 32	AZ	FX	N	C	
LFRM-0733FCZZ	16- 11	AT	FG		C	
LFRM-0736FCZ1	9- 35	BF	GT	N	C	
LFRM-0745FCZZ	32- 9	AE	DJ		C	
LFRM-0746FCZZ	32- 49	AC	DD		C	
LFRM-0791FCZZ	17- 17	AK	EB	N	C	
LHLDW0898FCZZ	23- 6	AA	DD		C	
LHLDW1010FCZZ	9- 20	AB	DD		C	
LHLDW1115FCZZ	1- 24	AD	DJ		C	
LHLDW1118FCZZ	9- 29	AA	DD		C	
LHLDW1119FCZZ	15- 33	AA	DD		C	
LHLDW1151FCZZ	23- 6	AB	DD	N	C	
LHLDW2133SCZZ	12- 70	AC	DD		C	
LHLDZ0932FCYZ	24- 12	AD	DJ		C	

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LHLDZ1076FCZ1	4- 21	AD	DS		C	
LHLDZ1077FCZZ	8- 26	AK	EB		C	
LHLDZ1078FCZZ	20- 23	AE	DS		C	
LHLDZ1079FCZZ	20- 35	AD	DJ		C	
LHLDZ1080FCZZ	7- 13	AC	DJ		C	
LHLDZ1081FCZZ	7- 14	AC	DJ		C	
LHLDZ1082FCZZ	7- 9	AC	DJ		C	
LHLDZ1085FCZZ	3- 1	AD	DJ		C	
LHLDZ1086FCZZ	12- 49	AD	DJ		C	
LHLDZ1087FCZZ	11- 31	AH	DX		C	
LHLDZ1089FCZZ	32- 17	AC	DJ		C	
LHLDZ1090FCZZ	30- 4	AC	DJ		C	
LHLDZ1092FCZZ	16- 44	AF	DS		C	
LHLDZ1093FCZZ	37- 2	AK	EB		C	
LHLDZ1094FCZZ	24- 10	AD	DJ		C	
LHLDZ1095FCZZ	24- 6	AD	DJ		C	
LHLDZ1096FCZZ	20- 27	AD	DJ		C	
LHLDZ1098FCZZ	12- 54	AD	DJ		C	
LHLDZ1100FCZZ	11- 30	AQ	EZ		C	
LHLDZ1104FCZZ	14- 19	AC	DJ		C	
LHLDZ1105FCZZ	14- 14	AC	DJ		C	
LHLDZ1107FCZ1	4- 23	AD	DS		C	
LHLDZ1108FCZZ	37- 3	AE	DJ		C	
LHLDZ1116FCZZ	4- 14	AD	DJ		C	
LHLDZ1140FCZZ	37- 4	AE	DS	N	C	
LHLDZ1144FCZZ	31- 1	AC	DJ	N	C	
LHLDZ1145FCZ1	25- 12	AK	EB	N	C	
LHLDZ1146FCZ1	25- 6	AE	DS	N	C	
LPIN-0026MCZZ	16- 57	AA	DD		B	
//	18- 52	AA	DD		B	
LPIN-0277FCZZ	1- 37	AB	DJ	N	B	
LPINS0096FCZZ	18- 43	AB	DD		B	
//	20- 50	AB	DD		B	
//	26- 10	AB	DD		B	
LPINS0134FCZZ	26- 27	AB	DD		B	
LPINS0155FCZZ	9- 10	AA	DD		B	
//	17- 7	AA	DD		B	
//	20- 29	AA	DD		B	
//	21- 1	AA	DD		B	
//	22- 3	AA	DD		B	
LPINS0157FCZZ	28- 14	AB	DD		B	
//	29- 23	AB	DD		B	
LPINS0165FCZZ	32- 30	AB	DD		B	
LPINS0258FCZZ	20- 38	AA	DD		B	
LPINS0262FCZZ	21- 24	AB	DD		B	
//	22- 47	AB	DD		B	
LPINS0263FCZZ	22- 46	AD	DJ		B	
LPINS0264FCZZ	20- 70	AB	DJ	N	B	
//	22- 52	AB	DJ	N	B	
LPINS0278FCZZ	22- 51	AB	DJ	N	B	
LPLTG2539FCZZ	8- 16	AD	DJ		C	
LPLTK4188FCZZ	30- 20	AD	DJ		C	
//	31- 20	AD	DJ		C	
LPLTM1077FCZZ	1- 32	AB	DD		C	
LPLTM2573FCZ1	1- 22	AD	DJ		C	
LPLTM4029FCZZ	9- 37	AG	DS		C	
LPLTM4030FCZZ	9- 6	AM	EG		C	
LPLTM4032FCZZ	20- 43	AT	FG		C	
LPLTM4033FCZZ	7- 5	AE	DJ		C	
LPLTM4035FCZZ	20- 7	AE	DJ		C	
LPLTM4039FCZZ	27- 3	AL	EB		C	
//	29- 9	AL	EB		C	
LPLTM4041FCZZ	27- 10	AT	FQ		C	
//	29- 15	AT	FQ		C	
LPLTM4042FCZZ	27- 11	AF	DS		C	
//	29- 31	AF	DS		C	
LPLTM4042FCZ1	27- 12	AG	DX		C	
//	29- 32	AG	DX		C	
LPLTM4043FCZZ	28- 18	AF	DS		C	
//	29- 29	AF	DS		C	
LPLTM4044FCZZ	28- 10	AF	DS		C	
//	29- 19	AF	DS		C	
LPLTM4046FCZZ	12- 34	AD	DJ		C	
LPLTM4047FCZZ	12- 35	AD	DJ		C	
LPLTM4049FCZZ	12- 68	AC	DJ		C	
LPLTM4050FCZZ	12- 50	AD	DJ		C	
LPLTM4051FCZZ	11- 40	AB	DD		C	
LPLTM4052FCZZ	12- 2	AB	DD		C	
LPLTM4053FCZZ	12- 6	AK	EB		C	
LPLTM4054FCZZ	12- 53	AB	DD		C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
LPLTM4057FCZZ	26- 32	AF	DS		C	
LPLTM4064FCZZ	18- 27	AM	EG		C	
LPLTM4065FCZZ	18- 47	AN	EQ		C	
LPLTM4066FCZZ	16- 22	AN	EG		C	
LPLTM4067FCZZ	24- 8	AN	EG		C	
LPLTM4068FCZZ	24- 11	AM	EG		C	
LPLTM4105FCZZ	20- 21	AC	DD		C	
LPLTM4107FCZZ	22- 43	AC	DD		C	
LPLTM4109FCZZ	12- 10	AE	DS		C	
LPLTM4111FCZZ	14- 4	AT	FG		C	
LPLTM4112FCZZ	14- 11	AC	DD		C	
LPLTM4113FCZZ	9- 8	AF	DS		C	
LPLTM4115FCZZ	8- 19	AK	EB		C	
LPLTM4116FCZZ	8- 28	AC	DD		C	
LPLTM4123FCZZ	10- 6	AB	DD		C	
LPLTM4124FCZZ	10- 1	AC	DJ		C	
LPLTM4149FCZZ	20- 105	AH	DX		C	
LPLTM4150FCZZ	4- 19	AC	DD		C	
LPLTM4151FCZZ	4- 17	AC	DD		C	
LPLTM4153FCZZ	12- 90	AD	DJ		C	
LPLTM4154FCZZ	12- 91	AC	DJ		C	
LPLTM4180FCZZ	8- 23	AE	DS		C	
LPLTM4181FCZZ	1- 29	AD	DJ		C	
LPLTM4419FCZZ	2- 21	AB	DJ	N	C	
LPLTM4428FCZZ	12- 69	AF	DX	N	C	
LPLTM4448FCZZ	19- 12	AC	DJ	N	C	
LPLTP4021FCZ1	20- 44	AK	EB		C	
LPLTP4022FCZZ	20- 28	AH	DX		C	
LPLTP4023FCZZ	27- 6	AD	DJ		C	
//	29- 14	AD	DJ		C	
LPLTP4024FCZZ	11- 41	AN	EQ		C	
LPLTP4025FCZZ	12- 25	AK	EB		C	
LPLTP4026FCZZ	32- 54	AD	DJ		C	
LPLTP4070FCZZ	28- 2	AM	EG		C	
//	29- 2	AM	EG		C	
LPLTP4070FCZ1	28- 2	AK	EB		C	
//	29- 2	AK	EB		C	
LPLTP4070FCZ2	28- 2	AK	EB		C	
LPLTP4121FCZZ	10- 7	AN	EG		C	
LPLTP4122FCZZ	10- 15	AN	EG		C	
LPLTZ4069FCZZ	24- 1	AK	EB		C	
LRALM0095FCZZ	8- 12	AX	FX		C	
LRALM0101FCZ1	12- 12	AM	EQ	N	C	
LSOU-0090FCZZ	39- 3	AT	FG		C	
LSOU-0099FCZ2	30- 9	AQ	EQ	N	C	
LSOU-0100FCZ1	30- 3	AR	EZ	N	C	
LSOU-0101FCZ1	30- 2	AP	EQ	N	C	
LSOU-0102FCZZ	30- 1	AG	DX		C	
LSOU-0116FCZZ	31- 9	AW	FG	N	C	
LSOU-0117FCZZ	31- 3	AW	FG	N	C	
LSOU-0118FCZZ	31- 2	AQ	EQ	N	C	
LSTPF0262FCZZ	14- 30	AC	DD		C	
LSTPF0295FCZZ	7- 22	AC	DD		B	
LSTPP0256FCZZ	15- 16	AB	DD		C	
LSTPP0274FCZZ	32- 55	AA	DD		B	
LSTPP0275FCZZ	4- 20	AE	DS	-	C	
LSTPP0278FCZZ	32- 14	AC	DD		B	
LSTPP0279FCZZ	4- 1	AB	DD		C	
//	20- 71	AB	DD		C	
//	22- 48	AB	DD		C	
//	26- 8	AB	DD		C	
LSTYM0184FCZZ	6- 7	AL	EG		C	
LSTYM0204FCZZ	2- 13	AF	DS	N	C	
LSUPP0002FCZZ	9- 57	AC	DD		C	
LSUPP0060FCZZ	23- 4	AA	DD		C	
LSUPP0076FCZZ	23- 5	AA	DD		C	
//	23- 25	AA	DD		C	
LX-BZ0049FCZZ	12- 46	AB	DD		B	
LX-BZ0102FCZZ	23- 7	AA	DD		B	
LX-BZ0138FCZZ	27- 7	AB	DD		B	
//	29- 25	AB	DD		B	
LX-BZ0140FCZZ	8- 44	AB	DD		B	
LX-BZ0180FCZZ	20- 3	AA	DD		B	
LX-BZ0222FCZZ	8- 53	AA	DD		B	
LX-BZ0266FCZZ	12- 11	AB	DD		B	
//	12- 84	AB	DD		B	
//	18- 19	AB	DD		B	
LX-BZ0324FCZZ	12- 83	AA	DD		B	
LX-BZ0335FCZZ	11- 39	AA	DD		B	
//	12- 20	AA	DD		B	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
LX-BZ0339FCZZ	11- 3	AA	DD		B	
LX-BZ0373FCZZ	18- 26	AA	DD		B	
LX-BZ0377FCZZ	1- 26	AA	DD		B	
LX-BZ0414FCZZ	9- 28	AB	DD		B	
//	19- 7	AB	DD		B	
LX-BZ0426FCZZ	39- 7	AA	DD		B	
LX-BZ0465FCZZ	7- 20	AA	DD		B	
LX-BZ0503FCZZ	8- 14	AA	DD		B	
LX-BZ0529FCZZ	14- 31	AA	DD		B	
//	15- 4	AA	DD		B	
LX-BZ0578FCZZ	39- 32	AC	DD		B	
LX-BZ0581FCZZ	22- 36	AB	DD		B	
LX-BZ0583FCZZ	19- 11	AB	DD		B	
//	22- 8	AB	DD		B	
LX-BZ0586FCZZ	12- 82	AA	DD		B	
LX-BZ0636FCZZ	30- 29	AA	DD		B	
LX-BZ0637FCZZ	12- 16	AC	DJ		B	
LX-BZ0649FCZZ	39- 8	AB	DD		B	
LX-BZ0650FCZZ	39- 9	AB	DD		B	
LX-BZ0651FCZZ	39- 10	AB	DD		B	
LX-BZ0654FCZZ	11- 21	AG	DS		B	
LX-BZ0656FCZZ	16- 4	AD	DJ		B	
//	16- 48	AD	DJ		B	
LX-BZ0659FCZZ	9- 48	AB	DD		B	
//	22- 40	AB	DD		B	
LX-BZ0660FCZZ	12- 66	AC	DJ		B	
LX-BZ0661FCZZ	18- 51	AC	DD		B	
LX-BZ0667FCZZ	8- 18	AB	DD		B	
LX-BZ0669FCZZ	8- 10	AC	DD		B	
LX-BZ0672FCZZ	8- 33	AC	DD		B	
LX-BZ0673FCZZ	8- 34	AC	DJ		B	
LX-BZ0674FCZZ	8- 30	AC	DD		B	
LX-BZ0675FCZZ	18- 64	AF	DS	N	B	
LX-BZ0676FCZZ	9- 55	AA	DD		B	
//	20- 74	AA	DD		B	
LX-BZ0687FCZZ	32- 51	AC	DD		B	
LX-BZ0688FCZZ	10- 23	AB	DD	N	B	
LX-BZ4008SC0M	24- 13	AA	DD		B	
LX-WZ0009FCZZ	12- 99	AB	DD		B	
LX-WZ0017FCZZ	12- 101	AA	DD		B	
//	20- 56	AA	DD		B	
//	22- 29	AA	DD		B	
LX-WZ0031FCZZ	19- 4	AA	DD		B	
LX-WZ0050FCZZ	11- 26	AA	DD		B	
LX-WZ0053FCZZ	12- 96	AA	DD		B	
LX-WZ0057FCZZ	12- 17	AA	DD		B	
LX-WZ0064FCZZ	15- 15	AA	DD		B	
LX-WZ0077FCZZ	12- 71	AA	DD		B	
LX-WZ0094FCZZ	17- 19	AA	DD		B	
//	22- 25	AA	DD		B	
LX-WZ0096FCZZ	1- 27	AA	DD		B	
LX-WZ0117FCZZ	8- 35	AB	DD		B	
LX-WZ0131FCZZ	18- 39	AA	DD		B	
LX-WZ0134FCZZ	11- 27	AA	DD		B	
LX-WZ0213FCZZ	11- 51	AA	DD		B	
LX-WZ0225FCZZ	15- 20	AA	DD		B	
//	20- 68	AA	DD		B	
LX-WZ0316FCZZ	16- 5	AA	DD		B	
LX-WZ0317FCZZ	27- 2	AA	DD		B	
//	29- 13	AA	DD		B	
LX-WZ0322FCZZ	22- 5	AA	DD		B	
LX-WZ0323FCZZ	8- 36	AB	DD		B	
LX-WZ0325FCZZ	19- 10	AA	DD		B	
LX-WZ0326FCZZ	39- 33	AA	DD		B	
[M]						
MARMM0153FCZZ	8- 31	AD	DJ		C	
MARMP0116FCZZ	32- 13	AC	DJ		C	
MARMP0117FCZ1	32- 34	AD	DS		C	
MARMP0118FCZZ	32- 32	AC	DJ		C	
MARMP0147FCZZ	3- 7	AK	EB		C	
MARMP0148FCZZ	3- 10	AH	DX		C	
MARMP0151FCZZ	15- 2	AB	DD		C	
MHNG-0086FCZZ	5- 3	AL	EG		C	
MHNG-0096FCZZ	5- 4	AL	EG		C	
MHNG-0166FCZZ	1- 36	AE	DS	N	C	
MHNG-0167FCZZ	20- 75	AH	DX	N	C	
MHNG-0168FCZZ	1- 3	AE	DS	N	C	
MHNG-0169FCZZ	20- 80	AF	DX	N	C	
MLEVF0610FCZZ	8- 32	AF	DS		C	
MLEVF0627FCZZ	18- 55	AD	DS	N	C	

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MLEVP0484FCZZ	32- 5	AB	DD		B	
MLEVP0582FCZZ	9- 42	AC	DJ		B	
MLEVP0583FCZ1	20- 54	AE	DS		C	
MLEVP0584FCZZ	20- 36	AG	DX		C	
MLEVP0585FCZZ	20- 45	AC	DJ		C	
MLEVP0586FCZZ	26- 7	AC	DJ		C	
MLEVP0588FCZZ	26- 17	AB	DD		B	
MLEVP0589FCZZ	26- 3	AC	DD		C	
MLEVP0592FCZZ	32- 21	AC	DD		C	
MLEVP0593FCZZ	32- 22	AC	DD		C	
MLEVP0594FCZZ	4- 8	AD	DJ		C	
MLEVP0595FCZZ	4- 7	AF	DS		C	
MLEVP0596FCZZ	16- 36	AD	DJ		B	
MLEVP0600FCZZ	20- 51	AD	DJ		C	
MLEVP0601FCZZ	26- 15	AC	DJ		B	
MLEVP0603FCZZ	15- 5	AH	DX		C	
MLEVP0605FCZZ	8- 11	AD	DJ		B	
MLEVP0606FCZZ	6- 14	AH	DX		C	
MLEVP0609FCZZ	32- 15	AC	DD		C	
MLEVP0628FCZZ	31- 32	AD	DS	N	C	
MSLI-0110FCZZ	8- 43	AA	DD		C	
MSPRC1289FCZZ	11- 45	AA	DD		A	
//	12- 65	AA	DD		A	
MSPRC1315FCZZ	32- 44	AD	DJ		A	
MSPRC1317FCZZ	32- 7	AA	DD		A	
MSPRC1318FCZZ	32- 3	AA	DD		A	
MSPRC1442FCZZ	32- 27	AB	DD		A	
MSPRC1544FCZZ	32- 39	AE	DS		A	
MSPRC1811FCZZ	16- 35	AA	DD		A	
MSPRC1863FCZZ	20- 55	AA	DD		A	
MSPRC1940FCZZ	22- 34	AA	DD		A	
MSPRC1941FCZZ	19- 3	AA	DD		A	
MSPRC1942FCZZ	26- 18	AB	DD		A	
MSPRC1943FCZZ	26- 36	AB	DD		A	
MSPRC1948FCZZ	4- 5	AB	DD		A	
MSPRC1954FCZZ	18- 40	AB	DD		A	
MSPRC1959FCZZ	16- 6	AA	DD		A	
MSPRC1965FCZZ	20- 5	AC	DD		A	
MSPRC1968FCZZ	20- 77	AA	DD		A	
//	30- 11	AA	DD		A	
//	31- 11	AA	DD		A	
MSPRC1969FCZZ	26- 40	AF	DS		A	
MSPRC1973FCZZ	6- 16	AA	DD		A	
MSPRC1980FCZZ	22- 39	AB	DD		A	
MSPRC2001FCZZ	22- 28	AB	DD		A	
MSPRC2012FCZZ	26- 22	AD	DJ		A	
MSPRC2015FCZZ	15- 17	AA	DD		A	
MSPRC2016FCZZ	8- 38	AC	DJ		A	
MSPRC2019FCZZ	6- 35	AB	DJ	N	A	
MSPRC2023FCZZ	30- 26	AB	DD		A	
MSPRC2027FCZZ	32- 52	AA	DD		A	
MSPRD1949FCZZ	4- 9	AB	DD		A	
MSPRD1956FCZZ	18- 71	AD	DS	N	A	
MSPRD1957FCZZ	18- 74	AD	DS	N	A	
MSPRP1293FCZZ	22- 10	AB	DD		A	
MSPRP1426FCZZ	22- 11	AB	DD		A	
MSPRP1520FCZ2	6- 11	AD	DJ		A	
MSPRP1550FCZZ	25- 11	AA	DD		A	
MSPRP1591FCZZ	10- 10	AC	DD		A	
MSPRP1933FCZZ	25- 9	AC	DD		A	
MSPRP1976FCZZ	10- 4	AD	DJ		A	
MSPRP1977FCZZ	10- 16	AG	DS		A	
MSPRT0513FCZZ	25- 13	AA	DD		A	
MSPRT0842FCZZ	11- 35	AC	DD		A	
MSPRT0925FCZZ	9- 49	AB	DD		A	
MSPRT1563FCZZ	3- 4	AC	DD		A	
MSPRT1938FCZZ	20- 26	AB	DD		A	
MSPRT1939FCZZ	7- 18	AB	DD		A	
MSPRT1952FCZZ	18- 28	AA	DD		A	
MSPRT1953FCZZ	18- 49	AA	DD		A	
MSPRT1955FCZZ	18- 21	AC	DD		A	
MSPRT1982FCZZ	21- 17	AB	DD		A	
MSPRT1983FCZZ	8- 9	AB	DD		A	
MSPRT1984FCZZ	20- 46	AB	DD		A	
MSPRT2000FCZZ	4- 18	AB	DD		A	
MSPRT2003FCZZ	8- 41	AB	DD		A	
MSPRT2005FCZZ	15- 30	AC	DD		A	
MSPRT2008FCZZ	9- 43	AA	DD		A	
MSPRT2020FCZZ	8- 27	AB	DD		A	
MSPRT2026FCZZ	16- 46	AA	DD		A	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
MSPRT2033FCZZ	6- 13	AA	DD		A	
MSPRT2034FCZZ	18- 45	AR	EQ	N	A	
MSPRT2100FCZZ	20- 60	AD	DJ	N	A	
〔N〕						
NBLTH0170FCZZ	20- 31	AH	DX		A	
NBLTH0182FCZZ	9- 12	AH	DX		A	
NBLTH0183FCZZ	22- 24	AK	EB		A	
NBLTH0184FCZZ	21- 16	AF	DS		A	
NBLTH0185FCZZ	21- 8	AF	DS		A	
NBRGC0037FCZZ	20- 59	AF	DJ		B	
NBRGC0066FCZZ	20- 47	AE	DJ		B	
NBRGC0069FCZZ	6- 21	AB	DD		B	
NBRGC0100FCZZ	18- 72	AC	DD		A	
NBRGC0136FCZZ	14- 7	AC	DD		B	
NBRGC0140FCZZ	14- 20	AD	DJ		B	
NBRGC0167FCZZ	26- 26	AB	DD		B	
//	28- 15	AB	DD		B	
//	29- 24	AB	DD		B	
NBRGC0188FCZZ	18- 44	AB	DD		B	
NBRGC0254FCZZ	12- 21	AB	DD		B	
//	20- 15	AB	DD		B	
NBRGC0319FCZZ	17- 8	AD	DJ		B	
NBRGC0380FCZZ	8- 40	AC	DD		B	
NBRGC0387FCZZ	12- 4	AB	DD		B	
NBRGC0455FCZZ	11- 49	AC	DD		B	
NBRGC0456FCZZ	11- 50	AB	DD		B	
NBRGC0457FCZZ	26- 28	AD	DJ		B	
NBRGC0467FCZZ	21- 23	AD	DJ		B	
NBRGC0468FCZZ	21- 22	AE	DJ		B	
NBRGC2019SCZZ	21- 4	AC	DJ		B	
//	22- 44	AC	DJ		B	
NBRGC2029SCZZ	12- 60	AB	DD		B	
NBRGM1040HCZZ	6- 2	AC	DJ		B	
NBRGP0266FCZZ	32- 26	AA	DD		B	
NBRGP0299FCZZ	15- 23	AC	DJ		B	
//	16- 43	AC	DJ		B	
//	16- 52	AC	DJ		B	
NBRGP0321FCZZ	16- 28	AD	DJ		B	
NBRGY0295FCZZ	18- 32	AR	EZ		B	
NBRGY0296FCZZ	18- 36	AK	EB		B	
NBRGY0466FCZZ	22- 4	AK	EB		B	
NCPL-0013FCZZ	21- 3	AC	DD		C	
NGERH0049FCZZ	22- 17	AD	DJ		A	
NGERH0111FCZZ	22- 35	AD	DJ		A	
NGERH0188FCZZ	20- 17	AD	DJ		A	
NGERH0193FCZZ	30- 14	AB	DD		A	
//	31- 14	AB	DD		A	
NGERH0194FCZZ	6- 19	AB	DD		A	
NGERH0209FCZ1	16- 51	AB	DD		A	
NGERH0314FCZZ	20- 37	AC	DD		A	
NGERH0317FCZZ	17- 13	AC	DJ		A	
//	20- 57	AC	DJ		A	
//	21- 13	AC	DJ		A	
NGERH0408FCZZ	16- 55	AB	DD		A	
NGERH0417FCZZ	16- 56	AC	DJ		A	
NGERH0457FCZZ	17- 3	AC	DD		A	
//	21- 14	AC	DD		A	
//	22- 18	AC	DD		A	
NGERH0475FCZ1	18- 57	AK	EB		A	
NGERH0480FCZZ	16- 54	AC	DJ		A	
NGERH0495FCZZ	32- 31	AC	DD		A	
NGERH0621FCZZ	18- 60	AD	DJ		A	
NGERH0846FCZZ	22- 2	AF	DS		A	
NGERH0847FCZZ	22- 33	AD	DJ		A	
NGERH0848FCZZ	22- 30	AC	DJ		A	
NGERH0849FCZZ	22- 22	AE	DJ		A	
NGERH0850FCZZ	19- 2	AC	DD		A	
NGERH0853FCZZ	17- 11	AE	DJ		A	
NGERH0854FCZZ	17- 14	AE	DS		A	
NGERH0855FCZZ	17- 16	AE	DS		A	
NGERH0857FCZZ	17- 2	AE	DJ		A	
NGERH0859FCZZ	28- 13	AD	DJ		A	
//	29- 22	AD	DJ		A	
NGERH0861FCZZ	26- 11	AB	DD		A	
NGERH0862FCZZ	26- 6	AB	DD		A	
NGERH0863FCZZ	26- 5	AB	DD		A	
NGERH0864FCZZ	32- 41	AC	DD		A	
NGERH0866FCZZ	18- 53	AC	DD		A	
NGERH0867FCZZ	6- 26	AC	DD		A	
NGERH0868FCZZ	16- 27	AC	DD		A	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
NGERH0880FCZZ	14- 24	AC	DJ		A	
NGERH0881FCZZ	14- 27	AC	DD		A	
NGERH0884FCZZ	15- 34	AC	DD		A	
NGERH0885FCZZ	15- 37	AC	DD		A	
NGERH0886FCZZ	15- 35	AC	DD		A	
NGERH0892FCZZ	32- 29	AB	DD		A	
NGERH0940FCZZ	17- 15	AE	DS	N	A	
NGERH0941FCZZ	17- 10	AF	DS	N	A	
NGERH0942FCZZ	17- 6	AE	DS	N	A	
NGERH0944FCZZ	12- 8	AP	EQ	N	A	
NGERH0947FCZZ	14- 21	AD	DJ	N	A	
NGERH0951FCZZ	22- 26	AQ	EQ	N	A	
NGERR0878FCZZ	30- 12	AD	DJ		A	
//	31- 12	AD	DJ		A	
NPLYZ0167FCZZ	11- 2	AF	DS		A	
//	12- 43	AF	DS		A	
NPLYZ0172FCZ1	12- 45	AL	EB		A	
NPLYZ0181FCZZ	12- 48	AB	DD		A	
NPLYZ0258FCZZ	9- 11	AC	DJ		A	
//	22- 19	AC	DJ		A	
NPLYZ0259FCZZ	22- 37	AC	DD		A	
NPLYZ0260FCZZ	21- 15	AC	DD		A	
NPLYZ0261FCZZ	21- 6	AC	DD		A	
NPLYZ0262FCZZ	11- 44	AF	DS		A	
//	12- 72	AF	DS		A	
NPLYZ0263FCZZ	11- 47	AB	DD		A	
//	12- 67	AB	DD		A	
NPLYZ0270FCZZ	21- 10	AC	DD		A	
NPLYZ0271FCZZ	22- 31	AF	DS		A	
NPLYZ0273FCZZ	22- 32	AH	DX		A	
NRŌLI0963FCZZ	18- 35	BE	GN	N	S	
NRŌLM0915FCZZ	14- 18	BG	HL		C	
NRŌLP0487FCZZ	20- 30	AB	DD		C	
NRŌLP0833FCZ1	20- 33	AC	DD		A	
NRŌLP0896FCZZ	4- 3	AC	DD		C	
NRŌLP0898FCZ1	20- 61	AU	FQ		C	
NRŌLP0919FCZZ	14- 1	AM	EG		C	
NRŌLP0923FCZZ	6- 15	AC	DD		C	
NRŌLP0933FCZZ	4- 16	AE	DS		C	
NRŌLP0937FCZ1	6- 15	AC	DJ		C	
NRŌLP0961FCZZ	14- 39	AM	EG		C	
NRŌLP0984FCZZ	14- 3	AK	EB	N	C	
NRŌLR0899FCZZ	20- 58	AX	FX		C	
NRŌLR0901FCZZ	26- 9	AR	EZ		A	
NRŌLR0902FCZZ	26- 37	AK	EB		A	
NRŌLR0910FCZZ	6- 28	AN	EG		C	
NRŌLR0911FCZZ	18- 46	AP	EQ		C	
NRŌLR0920FCZZ	26- 4	AK	EB		C	
NRŌLR0922FCZZ	32- 33	AR	EZ		C	
NRŌLT0962FCZZ	18- 34	BF	GT	N	S	
NSFTZ1595FCZZ	20- 11	AD	DJ		C	
NSFTZ1734FCZZ	20- 39	AH	DX		C	
NSFTZ1735FCZZ	4- 10	AN	EG		C	
NSFTZ1736FCZZ	20- 14	AM	EG		C	
NSFTZ1737FCZZ	20- 34	AG	DS		C	
NSFTZ1748FCZZ	21- 12	AG	DX		C	
NSFTZ1749FCZZ	21- 2	AF	DS		C	
NSFTZ1750FCZZ	21- 11	AG	DS		C	
NSFTZ1751FCZZ	21- 5	AD	DJ		C	
NSFTZ1752FCZZ	19- 1	AD	DJ		C	
NSFTZ1755FCZZ	17- 12	AM	EG		C	
NSFTZ1760FCZZ	28- 19	AM	EG		C	
//	29- 30	AM	EG		C	
NSFTZ1761FCZZ	12- 74	AN	EG		C	
NSFTZ1762FCZZ	11- 32	AF	DS		C	
NSFTZ1763FCZZ	12- 47	AR	EZ		C	
NSFTZ1764FCZZ	26- 13	AM	EG		C	
NSFTZ1765FCZZ	26- 38	AH	DX		C	
NSFTZ1766FCZZ	26- 2	AD	DJ		C	
NSFTZ1774FCZZ	32- 35	AH	DX		C	
NSFTZ1775FCZZ	4- 4	AK	EB		C	
NSFTZ1778FCZZ	18- 56	AK	EB		C	
NSFTZ1802FCZZ	15- 31	AC	DD		C	
NSFTZ1803FCZZ	15- 25	AE	DS		C	
NSFTZ1805FCZZ	3- 2	AE	DS		C	
NSFTZ1806FCZZ	32- 48	AD	DJ		C	
NSFTZ1825FCZZ	4- 12	AD	DJ		C	
NSFTZ1864FCZZ	31- 29	AF	DS	N	C	
NSFTZ1986FCZZ	22- 21	AH	DX	N	C	
NSFTZ1987FCZZ	22- 23	AH	DX	N	C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
NSRW-0015FCZZ	16- 38	AH	DX		C	
NSRW-0016FCZZ	16- 49	AG	DS		C	
[P]						
PBOX-0090FCZZ	15- 39	AP	EQ		C	
PBRSS0093FCZZ	18- 30	AB	DD		A	
PBRSS0118FCZZ	6- 17	AG	DX		A	
PCASZ0235FCZZ	25- 10	AL	EB		C	
PCLC-0204FCZZ	20- 53	AW	FQ		B	
PCLC-0208FCZZ	26- 25	AW	FQ		B	
PCLR-0301FCZZ	6- 10	AB	DD		C	
PCLR-0367FCZZ	9- 13	AC	DD		B	
//	22- 20	AC	DD		B	
PCLR-0368FCZZ	12- 55	AB	DD		B	
PCLR-0373FCZZ	26- 42	AC	DD		C	
PCLR-0374FCZZ	11- 22	AC	DD		C	
PCLR-0377FCZZ	22- 49	AC	DD		B	
PCLR-0385FCZZ	14- 12	AH	EB	N	C	
PCOVP0911FCZZ	3- 21	AB	DD		C	
PCOVP0941FCZZ	3- 22	AB	DD		A	
PCOVP1125FCZZ	1- 5	AQ	EZ		C	
PCOVP1130FCZZ	24- 4	AB	DD		C	
PCOVP1131FCZZ	12- 56	AT	FG		C	
PCOVP1133FCZ1	18- 3	AV	FG	N	C	
PCOVP1134FCZZ	25- 14	AB	DD		C	
PCOVP1135FCZZ	25- 2	AB	DD		C	
PCOVP1138FCZZ	15- 14	AU	FQ		C	
PCOVP1139FCZZ	15- 3	AF	DS		C	
PCOVP1140FCZZ	15- 1	AE	DS		C	
PCOVP1141FCZZ	15- 24	AC	DD		C	
PCOVP1142FCZZ	26- 41	AC	DD		C	
PCOVP1143FCZZ	8- 24	AE	DJ		C	
PCOVP1151FCZZ	39- 11	AK	EB		C	
PCOVP1154FCZZ	26- 20	AD	DJ		C	
PCOVP1160FCZZ	18- 67	AH	DX		C	
PCOVP1184FCZ1	16- 67	AC	DJ	N	C	
PCOVP1186FCZ1	1- 10	AY	FQ	N	C	
PCOVP1186FCZ2	1- 10	AY	FQ	N	C	
PCOVP1195FCZZ	16- 63	AE	DS	N	C	
PCOVQ1152FCZZ	20- 101	AG	DS		C	
PCUSS0201FCZZ	11- 5	AA	DD		A	
PCUSS0276FCZZ	12- 98	AC	DD		A	
PCUSU0203FCZZ	10- 8	AE	DS		A	
PDUC-0056FCZ1	9- 24	AK	EB		C	
PDUC-0057FCZZ	9- 27	AL	EB		C	
PDUC-0060FCZZ	20- 25	AG	DX		C	
PDUC-0061FCZZ	12- 37	AM	EG		C	
PDUC-0062FCZZ	12- 23	AF	DS		C	
PDUC-0063FCZZ	16- 1	AM	EG		C	
PFILD0186FCZZ	12- 40	AF	DS		A	
PFILD0203FCZZ	9- 22	BA	GD	N	A	
PFILZ0191FCZZ	8- 56	AH	DX		A	
PFTA-0091FCZZ	3- 23	AC	DJ		C	
PFTA-0096FCZZ	28- 24	AF	DS	N	C	
//	29- 36	AF	DS	N	C	
PFTA-0102FCZZ	1- 34	AH	DX	N	C	
PGIDH1355FCZZ	20- 19	AK	EB		C	
PGIDH1356FCZZ	7- 8	AV	FQ		C	
PGIDH1361FCZZ	32- 24	AP	EQ		C	
PGIDH1362FCZZ	32- 46	AM	EG		C	
PGIDH1364FCZZ	18- 54	AH	DX		C	
PGIDH1368FCZ1	20- 9	AG	DX	N	C	
PGIDH1377FCZZ	18- 65	AH	DX		C	
PGIDH1383FCZZ	8- 57	AH	DX		C	
PGIDH1384FCZZ	8- 51	AF	DX		C	
PGIDH1385FCZZ	8- 55	AE	DS		C	
PGIDM1337FCZZ	1- 14	AK	EB		C	
PGIDM1339FCZZ	20- 49	AC	DD		C	
PGIDM1340FCZZ	7- 15	AM	EG		C	
PGIDM1342FCZZ	25- 1	AE	DS		C	
PGIDM1343FCZZ	12- 42	AC	DJ		C	
PGIDM1344FCZZ	26- 33	AM	EG		C	
PGIDM1349FCZZ	30- 5	AD	DJ		C	
PGIDM1350FCZZ	30- 8	AD	DJ		C	
PGIDM1351FCZZ	30- 6	AD	DJ		C	
PGIDM1352FCZZ	30- 7	AD	DJ		C	
PGIDM1353FCZZ	4- 11	AY	FX		C	
PGIDM1354FCZZ	6- 29	AP	EQ		C	
PGIDM1373FCZZ	32- 12	AF	DS		C	
PGIDM1387FCZZ	7- 17	AM	EG		C	
PGIDM1455FCZZ	31- 5	AE	DS	N	C	
PGIDM1456FCZZ	31- 8	AE	DS	N	C	
PGIDM1457FCZZ	31- 6	AD	DJ	N	C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
PGIDM1458FCZZ	31- 7	AD	DJ	N	C	
PGLSP0074FCZZ	1- 15	BA	GJ		C	
PGUMS0147FCZZ	12- 14	AA	DD		A	
PGUMS0174FCZZ	12- 15	AB	DD		A	
PGUMS0182FCZZ	8- 17	AC	DJ		A	
PGUMS0226FCZZ	16- 29	AA	DD		A	
PGUMS0228FCZZ	12- 13	AA	DD		A	
PHOG-0346FCZZ	23- 18	AB	DD		C	
PHOG-0385FCZZ	12- 78	AB	DD		C	
PHOG-0387FCZZ	23- 23	AB	DD		C	
PHOG-1023CCZZ	23- 13	AB	DD		Y	
PLNS-0047FCZZ	12- 58	BQ	LX	N	C	
PMAGT0015FCZZ	1- 11	AD	DJ		C	
PMAGT0072FCZZ	8- 22	AF	DS		C	
PMIR-0076FCZZ	10- 11	AP	EQ		C	
PMIR-0099FCZZ	12- 32	AS	FG		C	
PMIR-0100FCZZ	11- 6	AU	FQ		C	
PMIR-0101FCZZ	11- 7	AZ	GD		C	
PMIR-0102FCZZ	11- 24	AX	FX		C	
PMIR-0103FCZZ	11- 25	AR	EZ		C	
PMLT-0665FCZZ	8- 42	AA	DD		A	
PMLT-0869FCZZ	16- 33	AB	DD		A	
PMLT-0880FCZZ	8- 54	AE	DD		A	
PMLT-0883FCZZ	8- 48	AS	FG		A	
PMLT-0884FCZZ	28- 21	AC	DJ		A	
//	29- 35	AC	DJ		A	
PMLT-0885FCZZ	28- 23	AC	DD		A	
//	29- 33	AC	DD		A	
PMLT-0886FCZZ	28- 22	AK	EB		A	
//	29- 34	AK	EB		A	
PMLT-0898FCZZ	16- 69	AB	DJ	N	A	
PMLT-0901FCZZ	4- 24	AD	DS	N	A	
PPIP-0172FCZZ	39- 14	AL	EG	N	Y	
PPIP-0173FCZZ	39- 14	AM	EG	N	Y	
PPIPP0109FCZZ	32- 45	AB	DD		B	
PPIPP0124FCZZ	32- 38	AB	DD		B	
PRDAR0048FCZZ	35- 3	AC	DJ		C	
PRDAR0055FCZZ	33- 2	AC	DJ		C	
PREFL0145FCZZ	10- 2	AT	FG		C	
PRNGP0013FCZZ	14- 17	AK	EB		A	
PRNGP0019FCZZ	32- 42	AA	DD		A	
PRNGP0022FCZZ	14- 16	AA	DD		A	
PRNGP0025FCZZ	6- 27	AA	DD		A	
//	15- 18	AA	DD		A	
PRNGP0050FCZZ	14- 2	AE	DS		A	
PRNGP0077FCZZ	4- 22	AA	DD		A	
PRNGP0082FCZZ	18- 31	AD	DS	N	A	
PSEL-0487FCZZ	16- 37	AE	DS		A	
PSEL-0488FCZZ	16- 34	AE	DS		A	
PSEL-0493FCZZ	14- 32	AB	DD		A	
PSEL-0494FCZZ	15- 13	AB	DD		A	
PSEL-0495FCZZ	15- 7	AB	DD		A	
PSEL-0496FCZZ	15- 12	AD	DJ		A	
PSEL-0498FCZZ	15- 10	AC	DD		A	
PSEL-0500FCZZ	14- 35	AA	DD		A	
PSEL-0501FCZZ	14- 36	AA	DD		A	
PSEL-0502FCZZ	15- 41	AD	DJ		A	
PSEL-0503FCZZ	15- 42	AE	DJ		A	
PSEL-0504FCZZ	15- 40	AB	DD		A	
PSEL-0505FCZZ	15- 11	AB	DD		A	
PSEL-0506FCZZ	15- 8	AA	DD		A	
PSEL-0507FCZZ	15- 27	AD	DJ		A	
PSEL-0508FCZZ	15- 26	AB	DD		A	
PSEL-0510FCZZ	15- 44	AA	DD		A	
PSEL-0511FCZZ	15- 46	AA	DD		A	
PSEL-0512FCZZ	15- 45	AA	DD		A	
PSEL-0514FCZZ	15- 47	AA	DD		A	
PSEL-0518FCZZ	15- 49	AA	DD		A	
PSHEF3244FCZZ	12- 95	AC	DD		A	
PSHEF3245FCZZ	12- 94	AC	DD		A	
PSHEG2817FCZ1	12- 63	AC	DJ		A	
PSHEP1804FCZZ	23- 19	AB	DD		A	
PSHEP2335FCZZ	12- 62	AA	DD		A	
PSHEP2511FCZZ	32- 8	AB	DD		A	
PSHEP3127FCZZ	20- 1	AE	DJ		A	
PSHEP3188FCZZ	14- 37	AC	DJ		A	
PSHEP3191FCZZ	15- 32	AC	DD		A	
PSHEP3201FCZZ	23- 16	AG	DX		A	
PSHEP3205FCZZ	14- 34	AB	DD		A	
PSHEP3206FCZZ	14- 33	AB	DD		A	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
PSHEP3213FCZZ	18- 66	AC	DD		A	
PSHEP3220FCZZ	9- 53	AC	DJ		A	
PSHEP3223FCZZ	33- 3	AB	DD		A	
PSHEP3233FCZZ	8- 52	AB	DD		A	
PSHEP3238FCZZ	6- 36	AB	DD		A	
PSHEP3239FCZZ	6- 32	AE	DS		A	
PSHEP3246FCZZ	11- 52	AE	DS		A	
PSHEP3247FCZZ	12- 100	AD	DJ		A	
PSHEP3253FCZZ	8- 46	AA	DD		A	
PSHEP3254FCZZ	8- 47	AA	DD		A	
PSHEP3283FCZZ	32- 58	AB	DD		A	
PSHEP3326FCZZ	12- 102	AC	DJ	N	A	
PSHEP3341FCZZ	2- 31	AG	DX	N	A	
PSHEP3347FCZZ	9- 54	AD	DJ	N	A	
PSHEP3363FCZZ	12- 97	AP	EQ	N	A	
PSHEP3369FCZZ	16- 12	AB	DJ	N	A	
PSHEZ1394FCZZ	39- 36	AC	DD		B	
PSHEZ1760FCZZ	30- 13	AB	DD		A	
〃	31- 13	AB	DD		A	
PSHEZ2401FCZZ	10- 22	AH	DX		A	
PSHEZ2714FCZZ	5- 1	AT	FG		A	
PSHEZ2715FCZZ	5- 1	AU	FQ		A	
PSHEZ2727FCZZ	35- 4	AC	DJ		A	
PSHEZ3126FCZZ	20- 52	AB	DD		A	
PSHEZ3130FCZZ	27- 9	AB	DD		A	
〃	29- 16	AB	DD		A	
PSHEZ3132FCZZ	12- 57	AG	DX		A	
PSHEZ3133FCZZ	11- 36	AB	DD		A	
PSHEZ3134FCZZ	11- 37	AC	DD		A	
PSHEZ3142FCZZ	12- 87	AB	DD		A	
PSHEZ3143FCZ1	32- 50	AB	DJ	N	A	
PSHEZ3153FCZZ	39- 12	AD	DJ		B	
PSHEZ3182FCZZ	12- 85	AA	DD		A	
PSHEZ3183FCZZ	12- 86	AA	DD		A	
PSHEZ3184FCZZ	11- 8	AD	DJ		A	
PSHEZ3226FCZZ	39- 13	AE	DS		B	
PSHEZ3236FCZZ	30- 25	AA	DD		A	
〃	31- 25	AA	DD		A	
PSHEZ3252FCZZ	32- 57	AE	DS	N	A	
PSHEZ3258FCZZ	39- 34	AC	DJ		B	
PSHEZ3280FCZZ	20- 81	AA	DD		A	
PSHEZ3310FCZZ	15- 54	AA	DJ		A	
PSHEZ3317FCZZ	32- 59	AB	DJ	N	A	
PSHT-0058FCZZ	16- 47	AD	DJ		C	
PSLD-0173FCZZ	12- 104	AE	DS	N	C	
PSLD-0174FCZZ	12- 105	AE	DS	N	C	
PSLDH0170FCZZ	3- 8	AD	DJ		C	
PSPAP0588FCZZ	34- 1	AB	DD		B	
PSPAP0605FCZZ	34- 2	AC	DJ	N	B	
PSTK-0015FCZZ	5- 6	AQ	EZ		C	
PTME-0168FCZZ	18- 29	AH	DX		S	
PTME-0174FCZ1	18- 48	AF	DS		S	
PTME-0178FCZZ	32- 6	AC	DD		C	
PTME-0221FCZ1	6- 12	AH	DX		C	
PTME-0222FCZZ	30- 10	AC	DJ		C	
〃	31- 10	AC	DJ		C	
PTME-0223FCZZ	28- 5	AD	DJ		C	
〃	29- 5	AD	DJ		C	
PTME-0225FCZZ	16- 59	AC	DJ		S	
PWIR-0145FCZZ	12- 64	AM	EG		A	
PWIR-0146FCZZ	11- 46	AK	EB		A	
PWIR-0147FCZZ	12- 44	AP	EQ		A	
[Q]						
QACCD7412QCN3	23- 13	AS	FG		Y	
QACCJ3410QCZZ	23- 13	AS	EZ		Y	
QACCL8421QCZZ	23- 13	AW	FX		Y	
QACCV6420QCN2	23- 13	AU	FQ		Y	
〃	23- 13	AU	FQ		Y	
QCNCM0799FCZZ	33- 4	AE	DS		Y	
QCNCM0800FCZZ	33- 5	AE	DS		Y	
QCNCM0806FCZZ	33- 6	AE	DS		Y	
QCNCM0807FCZZ	33- 7	AE	DS		Y	
QCNCM0808FCZZ	33- 8	AE	DS		Y	
QCNCM0809FCZZ	33- 9	AE	DS		Y	
QCNCM0846FCZZ	38- 2	AF	DS	N	Y	
QCNCM2401SC0H	37- 5	AC	DJ	N	Y	
QCNCM7014SC0H	33- 10	AB	DD		Y	
QCNCM7014SC0I	33- 11	AB	DD		Y	
QCNCW0390FCZZ	38- 3	AE	DS	N	Y	
QCNCW0411FCZZ	34- 3	AD	DJ		Y	

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QCNCW0445FCZZ	35- 6	AA	DD		Y	
〃	38- 4	AA	DD		Y	
QCNCW0455FCZZ	35- 7	AC	DJ		Y	
QCNCW0690FCZZ	35- 8	AB	DD		Y	
QCNCW0749FCZZ	33- 12	AB	DD		Y	
QCNCW0752FCZZ	38- 5	AC	DD		Y	
QCNCW0805FCZZ	33- 13	AF	DS		Y	
〃	38- 6	AF	DS		Y	
QCNCW0815FCZZ	35- 10	AE	DJ		Y	
QCNCW6966RC1D	34- 4	AL	EQ	N	Y	
QCNTM1043CCZZ	30- 19	AB	DD		C	
〃	31- 19	AB	DD		Y	
QCNW-0001QCZZ	23- 13	AN	EQ		Y	
〃	23- 13	AN	EQ		Y	
QCNW-0069FCZZ	23- 13	AC	DD		Y	
QCNW-0120FCZZ	23- 13	AU	FQ		Y	
QCNW-0131FCZZ	23- 13	AU	FQ		Y	
QEARB0054FCZZ	26- 30	AC	DD		C	
QEARB0056FCZZ	28- 20	AA	DD		C	
〃	29- 17	AA	DD		C	
QEARP0051FCZZ	16- 31	AE	BJ		C	
QFS-A2700QCZZ	35- 11	AD	DJ		A	
QFS-B0030FCZZ	35- 11	AH	DS		A	
QFS-B0132QCZZ	38- 7	AE	DS	N	A	
QFS-C1500QCZZ	35- 11	AF	DS		A	
QFS-D2002WCZZ	9- 50	AB	DD		A	
QFSHB0023FCZZ	9- 51	AK	EB		C	
QFSHD0001QCZZ	35- 12	AA	DD		C	
QFSHD0002QCZZ	38- 8	AA	DD		C	
QPLGA0001QCZZ	23- 13	AN	EQ		Y	
QPLGA0002QCZZ	23- 13	AN	EQ		Y	
QPLGA0003QCZZ	23- 13	AN	EQ		Y	
QPLGA0005QCZZ	23- 13	AN	EQ		Y	
QPLGA4171CCZZ	23- 13	AN	EG		Y	
QSLP-0155FCZZ	20- 22	AB	DD		C	
QSLP-0156FCZZ	25- 5	AC	DJ		C	
QSLP-0157FCZZ	24- 7	AE	DS		C	
QSLP-0158FCZZ	24- 3	AF	DS		C	
QSLP-0159FCZZ	22- 13	AC	DD		C	
QSŌCZ0059FCZZ	22- 12	AL	EG		C	
QSŌCZ2051SC32	33- 14	AC	DJ		C	
〃	38- 9	AC	DJ		C	
QSŌCZ6428ACZZ	33- 15	AE	DS		C	
〃	38- 10	AE	DS		C	
QSW-C1060QCZZ	9- 52	AT	FG		A	
QSW-C1390QCZZ	8- 3	AN	EQ		A	
QSW-L0443FCZZ	7- 10	AM	EG		A	
QSW-M0319FCZZ	2- 8	AG	DS		A	
〃	7- 6	AG	DS		A	
〃	9- 40	AG	DS		A	
QSW-M0372FCZZ	2- 8	AH	DX		A	
〃	9- 40	AH	DX		A	
QSW-M0452FCZZ	20- 41	AN	EQ	N	A	
QSW-P0465FCZZ	34- 5	AC	DJ	N	A	
〃	34- 5	AC	DJ	N	A	
〃	34- 5	AC	DJ	N	A	
QSW-P0466FCZZ	34- 6	AD	DS	N	A	
QTANN0015FCZZ	23- 20	AG	DS		C	
QTANP0096FCZZ	23- 13	AA	DD		Y	
QTANP0115FCZZ	35- 13	AB	DD		C	
QTANP0176FCZZ	23- 9	AB	DD		C	
QTANP0178FCZZ	23- 14	AB	DD		C	
[R]						
RC-AZ0349FCZZ	33- 16	AE	DJ		C	
RC-KZ0287FCZZ	34- 7	AA	DD		C	
RC-K1E104HCZZ	33- 17	AB	DD		C	
RC-QZ0117FCZZ	35- 14	AD	DJ		C	
RC-QZ0314FCZZ	35- 15	AH	DX		C	
RC-QZ0324FCZZ	35- 16	AE	DS		C	
RCILF0027FCZZ	35- 17	AQ	EZ		C	
RCILF0031FCZZ	35- 18	AR	EZ		C	
RCILF0043FCZZ	35- 20	AL	EG		C	
RCILF0045FCZZ	35- 52	AN	EQ		C	
RCILF0048FCZZ	35- 20	AG	DS		C	
RCRS-0007FCZZ	34- 8	AD	DJ		C	
RCRSP0009FCZZ	38- 11	AE	DS	N	C	
RCRSP6661RCZZ	38- 12	AD	DJ		C	
RCRSQ5030SCZZ	33- 18	AG	DX		C	
RDTCM0105FCZZ	14- 6	AY	FQ	N	A	
RDTCT0082FCZZ	18- 7	AQ	EZ		A	

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RH-DZ0016FCZZ	33- 19	AB	DD		C	
RH-DZ0019FCZZ	35- 21	AG	DX		C	
RHETP0056FCZZ	7- 21	AW	FX		S	
RLMPP0493FCZZ	16- 8	AV	FQ		S	
RLMPU0494FCZZ	10- 3	BB	GN		S	
RLMPU0495FCZZ	10- 3	BC	GN		S	
RLMPU0512FCZZ	18- 58	BA	GD	N	S	
RLMPU0513FCZZ	18- 58	BA	GD	N	S	
RLMPU0514FCZZ	18- 58	BA	GD	N	S	
RLMPU0515FCZZ	18- 58	BA	GD	N	S	
RLMPU0516FCZZ	18- 58	BB	GD	N	S	
RLMPU0517FCZZ	18- 58	BB	GD	N	S	
RMŌTD0738FCZZ	15- 36	AY	FQ	N	B	
RMŌTE0630FCZZ	8- 1	AW	FX		B	
〃	12- 38	AW	FX		B	
RMŌTE0700FCZZ	9- 26	AX	FX		B	
RMŌTP0696FCZZ	12- 31	AV	FQ		B	
RMŌTP0697FCZZ	11- 38	AV	FQ		B	
RMŌTP0721FCZZ	9- 36	BU	NU	N	B	
RMŌTP0722FCZZ	12- 5	BK	HL	N	B	
RMPTA0021FCZZ	35- 22	AH	DX		C	
RMPTA0030FCZZ	35- 22	AE	DJ		C	
RMPTC3102QCJB	33- 20	AA	DD		C	
RMPTC4102QCJB	34- 9	AB	DD		C	
RMPTC4103QCJB	33- 21	AD	DJ		C	
RMPTC4122QCJB	33- 22	AB	DD		C	
RMPTC4222QCJB	33- 23	AA	DD		C	
RMPTC4272QCJB	33- 24	AA	DD		C	
RMPTC4562QCJB	33- 25	AA	DD		C	
RMPTC5272QCJB	33- 26	AB	DD		C	
RMPTC5562QCJB	33- 27	AA	DD		C	
RMPTC5681QCJB	34- 10	AB	DD		C	
RMPTC6103QCJB	33- 28	AB	DD		C	
RMPTC6272QCJB	33- 29	AC	DD		C	
RMPTC6562QCJB	33- 30	AB	DD		C	
RMPTC8103QCJB	33- 31	AC	DD		C	
RMPTC8681QCJB	34- 11	AC	DD		C	
RMPTW7681QCJE	34- 12	AC	DD		C	
RPLU-0241FCZZ	9- 41	AM	EG		B	
RPLU-0278FCZZ	26- 19	AQ	EQ		B	
RPLU-0279FCZZ	32- 4	AN	EG		B	
RPLU-0280FCZZ	16- 30	AN	EQ		B	
RR-TZ1010ACZZ	38- 13	AE	DS		C	
RR-TZ8472ACZZ	38- 14	AD	DJ		C	
RR-WZ0328FCZZ	35- 25	AD	DJ		C	
RR-XZ0337FCZZ	35- 26	AC	DJ		C	
RR-XZ0338FCZZ	35- 26	AC	DJ		C	
RRLYD4421QCN1	35- 53	AU	FG	N	B	
RRLYD4421QCN2	35- 53	AU	FG	N	B	
RRLYD6120QCZZ	35- 28	AP	EQ		B	
RRLYD6121QCZZ	35- 28	AM	EG		B	
RTHM-0009FCZZ	18- 8	AK	EB		A	
RTRNZ0476FCZZ	9- 21	BU	RB	N	B	
RVR-M2530QCZZ	38- 15	AD	DJ		B	
〔S〕						
SPAKA1624FCZZ	39- 35	AB	DD		Y	
SPAKA4693FCZZ	39- 15	AE	DS		Y	
SPAKA4711FCZZ	39- 18	AG	DS		Y	
SPAKA4835FCZZ	39- 17	AV	FG	N	Y	
SPAKA4836FCZZ	39- 17	AV	FG	N	Y	
SPAKA4897FCZZ	39- 16	AV	FG	N	Y	
SPAKA4898FCZZ	39- 16	AV	FG	N	Y	
SPAKA4904FCZZ	39- 41	AD	DJ	N	Y	
SPAKC4832FCZZ	39- 19	BB	GD	N	Y	
SPAKC4832FC11	39- 19	BB	GD	N	Y	
SPAKC4832FC12	39- 19	BB	GD	N	Y	
SPAKC4832FC13	39- 19	BB	GD	N	Y	
SPAKC4833FCZZ	39- 19	BA	GD	N	Y	
SPAKC4834FCZZ	39- 19	BA	GD	N	Y	
SPAKC4834FC11	39- 19	BA	GD	N	Y	
SSAKA2440QCZZ	39- 20	AB	DD		Y	
SSAKA3441QCZZ	39- 20	AB	DD		Y	
〔T〕						
TCADS0497FCZZ	39- 23	AH	DX		C	
TCADS0649FCZZ	39- 23	AM	EG		C	
TCADS0764FCZZ	39- 23	AE	DJ		C	
TCADZ0775FCZZ	39- 24	AC	DD		C	
TCADZ0923FCZZ	39- 21	AA	DD		C	
TCADZ0924FCZZ	39- 22	AA	DD		C	
TCADZ1053FCZZ	39- 25	AG	DX	N	C	

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TCADZ1054FCZZ	39- 39	AD	DS	N	C	
TCADZ2001QCZZ	39- 25	AE	DJ		C	
TCAUA0766FCZZ	1- 20	AB	DD		C	
TCAUA0770FCZZ	1- 20	AB	DD		C	
TCAUH0687FCZZ	1- 20	AA	DD		C	
TCAUH0819FCZZ	16- 71	AA	DD		C	
〃	20- 66	AA	DD		C	
TCAUH0821FCZZ	16- 71	AA	DD		C	
〃	20- 66	AA	DD		C	
TCAUH0878FCZZ	18- 4	AC	DD		C	
TCAUH0879FCZZ	18- 4	AC	DD		C	
TCAUH0918FCZZ	1- 20	AA	DD		C	
TCAUH0931FCZZ	18- 4	AB	DD		C	
TCAUH0932FCZZ	18- 5	AB	DD		C	
TCAUH0941FCZZ	12- 92	AB	DD		C	
〃	23- 24	AB	DD		C	
TCAUH0959FCZZ	18- 5	AA	DD		C	
TCAUH0960FCZZ	6- 31	AB	DD		C	
TCAUH0961FCZZ	6- 31	AB	DD		C	
TCAUH0962FCZZ	6- 31	AB	DD		C	
TCAUH0963FCZZ	16- 71	AB	DD		C	
〃	20- 66	AB	DD		C	
TINSE1053FCZZ	39- 30	AS	EZ	N	C	
TINSE1054FCZZ	39- 30	AX	FQ	N	C	
TINSE1060FCZZ	39- 30	AS	EZ	N	C	
TINSE1061FCZZ	39- 30	AX	FQ	N	C	
TINSE1103FCZZ	39- 40	AK	EB	N	C	
TINSF1056FCZZ	39- 30	AZ	FX	N	C	
TINSG1055FCZZ	39- 30	AZ	FX	N	C	
TINSJ1052FCZZ	39- 30	BB	GD	N	C	
TINSS1057FCZZ	39- 30	AZ	FX	N	C	
TINSZ1059FCZZ	39- 30	AZ	FX	N	C	
TLABH2646FCZZ	39- 26	AB	DD		C	
TLABH2967FCZ1	39- 27	AC	DD		C	
TLABH3076FCZZ	5- 7	AD	DJ		C	
TLABH3077FCZZ	5- 7	AD	DJ		C	
TLABH3078FCZZ	5- 7	AD	DJ		C	
TLABH3079FCZZ	5- 7	AD	DJ		C	
TLABH3080FCZZ	5- 7	AD	DJ		C	
TLABH3081FCZZ	5- 7	AD	DJ		C	
TLABH3082FCZZ	5- 7	AD	DJ		C	
TLABH3203FCZZ	5- 7	AD	DJ		C	
TLABH3229FCZZ	39- 29	AE	DS		C	
TLABH3261FCZZ	1- 2	AB	DD		C	
TLABH3262FCZZ	1- 2	AB	DD		C	
TLABH3348FCZZ	1- 33	AE	DS	N	C	
TLABH3368FCZZ	1- 2	AD	DS	N	C	
TLABH3371FCZZ	39- 27	AD	DJ	N	C	
TLABZ0241FCZZ	39- 28	AB	DD		C	
TLABZ0248FCZZ	39- 28	AB	DD		C	
TLABZ2811FCZZ	1- 18	AB	DD		C	
TLABZ3020FCZZ	27- 5	AC	DD		C	
〃	29- 12	AC	DD		C	
TLABZ3086FCZZ	30- 22	AC	DD		C	
TLABZ3087FCZZ	31- 22	AC	DD		C	
TLABZ3088FCZZ	31- 22	AC	DD		C	
TLABZ3105FCZZ	28- 4	AD	DJ		C	
〃	29- 4	AD	DJ		C	
TLABZ3168FCZZ	15- 51	AB	DD		C	
TLABZ3168FCZ1	15- 51	AB	DD		C	
TLABZ3168FCZ2	15- 51	AB	DD		C	
TLABZ3255FCZZ	15- 43	AB	DD		C	
TLABZ3260FCZZ	1- 21	AD	DJ		C	
TLABZ3347FCZZ	30- 23	AC	DJ	N	C	
TLABZ3356FCZZ	14- 40	AC	DJ	N	C	
〃	15- 52	AC	DJ	N	C	
〃	16- 72	AC	DJ	N	C	
〃	18- 23	AC	DJ	N	C	
〃	19- 13	AC	DJ	N	C	
〃	22- 53	AC	DJ	N	C	
〃	25- 15	AC	DJ	N	C	
〔U〕						
UCLEZ0117FCZZ	16- 24	AT	FG		S	
UCLEZ0123FCZZ	15- 9	AF	DS		S	
UKŌGZ0002FCZZ	39- 37	AD	DJ		E	
〔V〕						
VCCCPU1HH101J	34- 13	AB	DD		C	
VCCCPU1HH220J	33- 32	AA	DD		C	
VCCCTV1HH221J	38- 16	AA	DD		C	
VCEAGU1AW476M	38- 17	AA	DD		C	

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VCEAGU1AW477M	38- 18	AC	DD		C	
VCEAGU1CW107M	33- 33	AB	DD		C	
VCEAGU1CW476M	38- 19	AB	DD		C	
VCEAGU1CW477M	33- 34	AC	DD		C	
//	38- 20	AC	DD		C	
VCEAGU1EW107M	38- 21	AB	DD		C	
VCEAGU1HW105M	33- 35	AA	DD		C	
VCEAGU1HW107M	33- 36	AC	DD		C	
//	35- 49	AC	DD		C	
VCEAGU1HW224M	33- 37	AA	DD		C	
VCEAGU1VW106M	33- 38	AA	DD		C	
VCEAGU1VW107M	35- 29	AB	DD		C	
VCEAGU1VW335M	33- 39	AA	DD		C	
VCEAGU1VW476M	33- 40	AB	DD		C	
VCEAGU1VW477M	33- 41	AD	DJ		C	
//	38- 22	AD	DJ		C	
VCEAJU1CW476M	34- 14	AB	DD		C	
//	37- 7	AB	DD		C	
VCKYPU1HB102K	34- 15	AA	DD		C	
VCKYTQ1HB102K	33- 42	AA	DD		C	
VCKYTQ1HB102M	37- 8	AA	DD	N	C	
VCKYTQ1HB223K	33- 43	AB	DD	N	C	
//	33- 43	AB	DD	N	C	
//	33- 43	AB	DD	N	C	
VCKYTQ1HB223M	33- 44	AA	DD		C	
//	37- 9	AA	DD		C	
VCKYTV1HB102K	38- 23	AA	DD		C	
VCKYTV1HB222K	38- 24	AA	DD		C	
VCKYTV1HB223K	38- 25	AA	DD		C	
VCKYTV1HB681K	38- 26	AA	DD		C	
VCQYNU1HM102K	33- 45	AA	DD		C	
VCQYNU1HM103K	33- 46	AA	DD		C	
//	38- 27	AA	DD		C	
VCQYNU1HM104K	33- 47	AB	DD		C	
//	35- 30	AB	DD		C	
VCQYNU1HM223K	35- 31	AA	DD		C	
VCQYNU1HM473K	35- 31	AB	DD		C	
VHDDAN202K/-1	33- 48	AB	DD		C	
VHDDAP202K/-1	33- 49	AB	DD		C	
VHDDA218S//-1	33- 50	AC	DJ	N	C	
VHDDSS133//-1	33- 51	AA	DD		C	
VHDDSS133HV-1	34- 16	AA	DD		C	
VHDMA153///-1	37- 10	AB	DJ		B	
VHDRLS73///-1	38- 28	AA	DD		C	
VHDRM10Z///-1	35- 32	AC	DJ		C	
VHDS1WBA60S-1	35- 33	AD	DJ		C	
VHDS3V10///-1	33- 52	AC	DJ		C	
VHDW06B////-1	33- 53	AE	DJ		C	
//	35- 34	AE	DJ		C	
VHD1SR124-200	33- 54	AB	DD		C	
VHEHZS5B3//-V	33- 55	AB	DJ	N	C	
VHEHZ6A1///-1	33- 56	AB	DD		C	
VHERD22FB//-1	33- 57	AD	DJ		C	
VHIHD64646F-1	38- 29	AV	FX		C	
VHIHD8-570L02	33- 58	BF	GT	N	C	
VHIIR2C23//-1	33- 59	AF	DS		C	
VHILC7935//-1	34- 17	AN	EQ		C	
//	37- 11	AN	EQ		C	
VHILM339NS/-1	38- 30	AC	DD		C	
VHILR3717M/-1	34- 18	AH	DX		C	
VHINJM2901M/-	33- 60	AF	DS	N	C	
VHINJM2903M/-	33- 61	AD	DJ		C	
VHINJM78L05A-	38- 31	AF	DX	N	C	
VHISHN002//-1	35- 35	AU	FQ		C	
VHISLA6023/-1	33- 62	AR	EZ		C	
VHISN74HC244S	38- 32	AF	DS		C	
VHISN74LS02NS	38- 33	AF	DS		C	
VHISN74LS04NS	33- 63	AF	DS		C	
//	38- 34	AF	DS		C	
VHISN74LS08F-	33- 64	AF	DS		C	
VHISN74LS08NS	38- 35	AF	DS		C	
VHISN74LS139N	38- 36	AL	EG		C	
VHISN74LS14NS	33- 65	AL	EG		C	
//	37- 12	AL	EG		C	
VHISN74LS244N	38- 37	AS	FG		C	
VHISN74LS273N	38- 38	AQ	EZ		C	
VHISN74LS32NS	33- 66	AF	DS		C	
//	38- 39	AF	DS		C	
VHISN74LS373N	38- 40	AL	EG		C	
VHISN74LS74NS	38- 41	AD	DJ		C	

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VHISTA301A/-1	33- 67	AK	EB		C	
VHITA7291S/-1	33- 68	AF	DS		C	
VHITA78057S-1	33- 69	AE	DS		C	
VHITC531000CF	38- 42	BA	GD	N	C	
VHITC5565AF15	38- 43	AS	FG		C	
VHITC74HC14PN	34- 19	AG	DX		C	
VHITD62503F/-	33- 70	AG	DX	N	C	
VHITD62504F-1	38- 44	AF	DS		C	
VHITD62583F/-	33- 71	AH	DX	N	C	
VHITE7750//-1	33- 72	AW	FX		C	
VHITM1641P-L/	35- 36	AM	EG		C	
VHIULN2003AN1	33- 73	AE	DJ		C	
VHIUPA2003GR/	38- 45	AF	DS		C	
VHIUPC1246C-1	33- 74	AK	EB		C	
VHIUPC337//-1	38- 46	AN	EQ	N	C	
VHIUPC358G2E1	33- 75	AD	DJ		C	
VHIUPD78213-1	38- 47	AZ	FX	N	C	
VHI27C01002FC	33- 76	AZ	FX	N	B	
VHI27C01003FC	38- 48	BA	GD	N	B	
VHI27512A01FC	38- 49	AY	FX	N	B	
VHI27512A02FC	38- 50	AY	FX	N	B	
VHI27512A03FC	38- 50	AY	FX	N	B	
VHI27512A04FC	38- 50	AY	FX	N	B	
VHI27512A05FC	38- 50	AY	FX	N	B	
VHI27512A06FC	38- 50	AY	FX	N	B	
VHI28C64-15-1	33- 77	AZ	GD		B	
VHI74LS139ANR	33- 78	AG	DX	N	C	
VHPGL3HD47/-1	37- 13	AB	DD		A	
VHPGP1A22LC-1	8- 7	AK	EB		A	
//	9- 31	AK	EB		A	
//	12- 36	AK	EB		A	
VHPGP1A71A1-1	11- 48	AG	DX		A	
//	12- 77	AG	DX		A	
//	26- 14	AG	DX		A	
//	31- 31	AG	DX		A	
//	32- 16	AG	DX		A	
VHPGP3A38//-1	9- 32	AH	DX		A	
VHPGP3A39//-1	12- 1	AH	DX		A	
VHPLB603MF/-1	34- 20	AQ	EQ	N	A	
VHPLD603MG/-1	34- 21	AE	DS		A	
VHPSLR-320MCA	34- 22	AB	DD		A	
//	34- 22	AB	DD		A	
VHRS21MD3V/-1	35- 37	AE	DS		A	
VHRS21MD3VY-1	35- 37	AG	DS		A	
VHRS21ME4//-1	35- 38	AH	DX		B	
VHRS21ME4Y/-1	35- 38	AH	DX		B	
VHSTM1661P-L1	35- 51	AP	EQ	N	B	
VHSTM1661S-LF	35- 50	AK	EB	N	B	
VRD-RB2EY000J	34- 23	AA	DD		C	
VRD-RB2EY105J	35- 41	AA	DD		C	
VRD-RB2EY474J	35- 41	AA	DD		C	
VRD-RC2EY681J	34- 24	AA	DD		C	
VRK-SA1JR152J	37- 6	AB	DD	N	C	
VRNRB2EK2003F	35- 42	AA	DD		C	
VRNRB2EK4123F	35- 42	AA	DD		C	
VRS-HT2HA101J	35- 44	AA	DD		C	
VRS-HT2HA121J	35- 45	AA	DD		C	
VRS-HT2HA201J	35- 45	AA	DD		C	
VRS-RE3LA103J	35- 46	AB	DD		C	
VRS-ST3ABR22J	33- 79	AA	DD		C	
VRS-ST3AB120J	33- 80	AB	DD		C	
VRS-TP2BD000K	37- 14	AA	DD		C	
VRS-TP2BD102J	37- 15	AA	DD		C	
VRS-TP2BD472J	37- 16	AA	DD		C	
VRS-TS2AD101J	33- 81	AA	DD		C	
VRS-TS2AD102F	33- 82	AA	DD		C	
VRS-TS2AD102J	33- 83	AA	DD		C	
//	38- 51	AA	DD		C	
VRS-TS2AD103F	33- 84	AA	DD		C	
VRS-TS2AD103J	33- 85	AA	DD		C	
//	38- 52	AA	DD		C	
VRS-TS2AD104J	33- 86	AA	DD		C	
VRS-TS2AD122J	33- 87	AA	DD		C	
//	38- 53	AA	DD		C	
VRS-TS2AD133F	33- 88	AA	DD		C	
VRS-TS2AD151J	33- 89	AA	DD		C	
//	38- 54	AA	DD		C	
VRS-TS2AD152F	33- 90	AA	DD		C	
VRS-TS2AD153F	33- 91	AA	DD		C	
VRS-TS2AD201J	33- 92	AG	DS		C	

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VRS-TS2AD203J	33- 93	AA	DD		C
VRS-TS2AD204J	33- 94	AA	DD		C
VRS-TS2AD222J	33- 95	AA	DD		C
VRS-TS2AD223J	33- 96	AA	DD		C
VRS-TS2AD224J	33- 97	AA	DD		C
VRS-TS2AD242J	33- 98	AA	DD		C
VRS-TS2AD272J	33- 99	AA	DD		C
VRS-TS2AD301J	33- 100	AA	DD		C
VRS-TS2AD303J	33- 101	AA	DD		C
VRS-TS2AD332F	33- 102	AA	DD		C
VRS-TS2AD363J	33- 103	AA	DD		C
VRS-TS2AD393J	33- 104	AA	DD		C
VRS-TS2AD431J	33- 105	AA	DD		C
VRS-TS2AD432F	33- 106	AA	DD		C
VRS-TS2AD471J	33- 107	AA	DD		C
VRS-TS2AD472J	33- 108	AA	DD		C
//	38- 55	AA	DD		C
VRS-TS2AD473J	33- 109	AA	DD		C
VRS-TS2AD511J	33- 110	AA	DD		C
VRS-TS2AD562J	33- 111	AA	DD		C
VRS-TS2AD563J	33- 112	AA	DD		C
VRS-TS2AD621J	33- 113	AA	DD		C
VRS-TS2AD622F	33- 114	AA	DD		C
VRS-TS2AD624J	33- 115	AA	DD		C
//	38- 56	AA	DD		C
VRS-TS2AD681J	33- 116	AA	DD		C
VRS-TS2AD682F	33- 117	AA	DD		C
VRS-TS2AD683J	33- 118	AA	DD		C
VRS-TS2AD751J	33- 119	AA	DD		C
VRS-TS2AD752J	33- 120	AA	DD		C
//	38- 57	AA	DD		C
VRS-TS2AD911J	33- 121	AA	DD		C
VRS-TS2AD912F	33- 122	AA	DD		C
VRS-TS2AD913J	33- 123	AA	DD		C
VSDTA123YK/-1	33- 124	AB	DJ	N	C
VSDTA144GK/-1	38- 61	AB	DJ	N	C
VSDTC114YK/-1	33- 125	AC	DD		C
//	38- 58	AC	DD		C
VSDTC114YS/-1	34- 25	AB	DD		C
//	38- 59	AB	DD		C
VS2SB1132-R-1	33- 126	AE	DS	N	C
VS2SB1295-/-1	38- 60	AB	DD		C
VS2SC945///-1	33- 127	AD	DJ		C
VS2SD1292-/-1	38- 62	AD	DS	N	C
VVLLM32010P-1	2- 22	CA	TV	N	B
[X]					
XBBSD40P08000	15- 6	AA	DD		Y
XBBSD40P10000	7- 2	AA	DD		Y
//	9- 18	AA	DD		Y
//	12- 80	AA	DD		Y
XBBSD40P12000	24- 16	AA	DD		Y
XBBSD40P18000	14- 9	AA	DD		Y
XBBSD40P30000	9- 19	AA	DD		Y
XBBS240P14000	16- 62	AA	DD		Y
XBPBZ40P06K00	9- 47	AA	DD		Y
//	23- 8	AA	DD		Y
XBPSD30P04K00	12- 30	AA	DD		Y
XBPSD30P04000	6- 25	AA	DD		Y
//	18- 6	AA	DD		Y
//	24- 15	AA	DD		Y
XBPSD30P05000	2- 32	AA	DD		Y
XBPSD30P06KS0	9- 38	AA	DD		Y
//	12- 81	AA	DD		Y
XBPSD30P06000	4- 6	AA	DD		Y
//	18- 12	AA	DD		Y
//	18- 38	AA	DD		Y
//	18- 68	AA	DD		Y
//	22- 9	AA	DD		Y
XBPSD30P08KS0	14- 22	AA	DD		Y
//	28- 17	AA	DD		Y
//	29- 28	AA	DD		Y
XBPSD30P08K00	33- 128	AA	DD		Y
XBPSD30P08000	25- 4	AA	DD		Y
XBPSD30P10K00	35- 47	AA	DD		Y
XBPSD30P10000	18- 13	AA	DD		Y
//	24- 5	AA	DD		Y
XBPSD30P14000	7- 7	AA	DD		Y
//	23- 21	AA	DD		Y
XBPSD30P20000	24- 14	AA	DD		Y
XBPSD40P06KS0	12- 76	AA	DD		Y

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XBPSD40P06KS0	18- 14	AA	DD		Y
XBPSD40P06K00	9- 5	AA	DD		Y
//	12- 41	AA	DD		Y
XBPSD40P06000	6- 6	AA	DD		Y
//	8- 21	AA	DD		Y
//	11- 33	AA	DD		Y
//	12- 75	AA	DD		Y
//	18- 2	AA	DD		Y
//	20- 79	AA	DD		Y
XBPSD40P08KS0	8- 29	AA	DD		Y
//	14- 10	AA	DD		Y
//	17- 18	AA	DD		Y
//	20- 104	AA	DD		Y
//	22- 38	AA	DD		Y
//	23- 10	AA	DD		Y
XBPSD40P08000	2- 7	AA	DD		Y
//	27- 1	AA	DD		Y
//	29- 10	AA	DD		Y
XBPSD40P10KS0	20- 63	AA	DD		Y
XBPSD40P10000	9- 34	AA	DD		Y
XBPSD40P12KS0	12- 52	AA	DD		Y
XBPSD40P12K00	12- 79	AA	DD		Y
XBPSD40P12000	8- 8	AA	DD		Y
XBPSD40P18000	7- 11	AA	DD		Y
XBPSD40P20XS0	23- 11	AA	DD		Y
XBPSD40P25XS0	23- 11	AA	DD		Y
XBPSD40P25000	12- 51	AA	DD		Y
XBPSD40P30000	8- 5	AA	DD		Y
XBPSF30P06000	16- 41	AA	DD		Y
XBPSF30P08000	20- 73	AA	DD		Y
XBPS240P06000	16- 15	AA	DD		Y
//	16- 25	AA	DD		Y
XBSSD30P04000	15- 55	AA	DD		Y
XBSSE30P10000	1- 23	AA	DD		Y
XBTSD40P06000	28- 8	AA	DD		Y
//	29- 8	AA	DD		Y
XBTSE40P08000	1- 12	AA	DD		Y
//	28- 3	AA	DD		Y
//	29- 3	AA	DD		Y
XBTSE40P10000	1- 4	AA	DD		Y
XBTSF40P04000	12- 29	AA	DD		Y
XBTSF40P06000	12- 106	AA	DD		Y
XCPSD20P05000	16- 14	AA	DD		Y
//	37- 17	AA	DD		Y
XEBSD30P06000	10- 21	AA	DD		Y
//	20- 69	AA	DD		Y
//	25- 7	AA	DD		Y
//	30- 16	AA	DD		Y
//	31- 16	AA	DD		Y
XEBSD30P08000	26- 31	AA	DD		Y
//	30- 24	AA	DD		Y
//	31- 24	AA	DD		Y
//	32- 23	AA	DD		Y
XEBSD30P10000	16- 2	AA	DD		Y
//	16- 23	AA	DD		Y
XEBSD30P12000	26- 24	AA	DD		Y
XEBSD40P06000	8- 37	AA	DD	N	Y
XEBSD40P08000	1- 30	AA	DD		Y
//	10- 20	AA	DD		Y
//	20- 8	AA	DD		Y
XEBSD40P10000	26- 34	AA	DD		Y
XEBSD40P12000	39- 31	AA	DD		Y
XEBSE30P08000	30- 18	AA	DD		Y
//	31- 18	AA	DD		Y
XEBSF30P08000	15- 38	AA	DD		Y
XEBSF30P10000	14- 28	AA	DD		Y
XEPSD20P05000	2- 12	AA	DD		Y
XEPSD30P05000	3- 11	AA	DD		Y
//	11- 34	AA	DD		Y
XEPSD30P06000	3- 13	AA	DD		Y
//	6- 9	AA	DD		Y
//	16- 40	AA	DD		Y
//	24- 2	AA	DD		Y
XEPSD30P08X00	9- 44	AA	DD		Y
//	26- 21	AA	DD		Y
XEPSD30P08000	6- 33	AA	DD		Y
//	16- 68	AA	DD		Y
//	37- 18	AA	DD		Y
XEPSD30P14000	6- 37	AA	DD		Y
//	20- 78	AA	DD		Y

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XEPSD30P16000	2- 9	AA	DD		Y	
XEPSD40P06000	12- 27	AA	DD		Y	
//	20- 20	AA	DD		Y	
XEPSD40P08000	6- 23	AA	DD		Y	
//	7- 16	AA	DD		Y	
//	20- 103	AA	DD		Y	
XEPSD40P10000	9- 25	AA	DD		Y	
//	20- 18	AA	DD		Y	
//	21- 18	AA	DD		Y	
//	22- 6	AA	DD		Y	
//	28- 6	AA	DD		Y	
//	28- 11	AA	DD		Y	
//	29- 6	AA	DD		Y	
//	29- 20	AA	DD		Y	
XEPSD40P14000	20- 72	AA	DD	N	Y	
XEPSD40P30000	12- 39	AA	DD		Y	
XEPSD40P35000	9- 23	AA	DD		Y	
XHBSD30P06000	16- 26	AA	DD		Y	
//	32- 10	AA	DD		Y	
XHBSD30P08000	10- 19	AA	DD		Y	
//	32- 18	AA	DD		Y	
XHBSD40P10000	4- 13	AA	DD		Y	
//	8- 20	AA	DD		Y	
//	9- 7	AA	DD		Y	
//	22- 42	AA	DD		Y	
//	23- 3	AA	DD		Y	
//	32- 11	AA	DD		Y	
XHBSD40P12000	32- 19	AA	DD		Y	
XHBSE40P10000	1- 19	AA	DD		Y	
//	1- 26	AA	DD		Y	
//	8- 25	AA	DD		Y	
//	31- 4	AA	DD		Y	
XHPSF40P05000	9- 46	AA	DD	N	Y	
XJBSD40P12000	5- 2	AA	DD		Y	
XJPSD30P05000	2- 20	AA	DD	N	Y	
XJPSD30P06000	1- 35	AA	DD		Y	
//	2- 15	AA	DD		Y	
XNESD30-24000	33- 129	AA	DD		Y	
XNESD40-32000	11- 28	AA	DD		Y	
//	12- 19	AA	DD		Y	
//	20- 64	AA	DD		Y	
XPSSJ20-06000	16- 53	AA	DD		Y	
XPSSJ20-15000	26- 43	AA	DD		Y	
XRESP20-06000	20- 10	AA	DD		Y	
XRESP30-04000	3- 3	AA	DD		Y	
//	12- 59	AA	DD		Y	
XRESP30-06000	4- 15	AA	DD		Y	
//	20- 13	AA	DD		Y	
//	32- 47	AA	DD		Y	
XRESP40-05000	19- 6	AA	DD		Y	
//	21- 20	AA	DD		Y	
XRESP40-06000	6- 18	AA	DD		Y	
//	15- 22	AA	DD		Y	
//	16- 42	AA	DD		Y	
//	20- 6	AA	DD		Y	
//	32- 25	AA	DD		Y	
XRESP50-06000	4- 2	AA	DD		Y	
//	6- 20	AA	DD		Y	
//	6- 34	AA	DD		Y	
//	8- 45	AA	DD		Y	
//	14- 8	AA	DD		Y	
//	16- 3	AA	DD		Y	
//	16- 45	AA	DD		Y	
//	17- 1	AA	DD		Y	
//	18- 11	AA	DD		Y	
//	19- 5	AA	DD		Y	
//	20- 32	AA	DD		Y	
//	21- 7	AA	DD		Y	
//	26- 1	AA	DD		Y	
XRESP60-08000	28- 12	AA	DD		Y	
//	29- 21	AA	DD		Y	
XRESP70-08000	9- 14	AA	DD		Y	
//	11- 1	AA	DD		Y	
//	11- 23	AA	DD		Y	
//	12- 3	AA	DD		Y	
//	14- 13	AA	DD		Y	
//	17- 5	AA	DD		Y	
//	18- 37	AA	DD		Y	
//	20- 16	AA	DD		Y	
//	21- 9	AA	DD		Y	

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XRESP70-08000	22- 1	AA	DD		Y	
//	26- 12	AA	DD		Y	
XREUW50-06000	31- 30	AA	DD		Y	
XUBSD30P05000	14- 5	AA	DD		Y	
//	15- 21	AA	DD		Y	
XWHSD30-05070	6- 3	AA	DD		Y	
//	30- 17	AA	DD		Y	
//	31- 17	AA	DD		Y	
XWHSD30-05080	18- 9	AA	DD		Y	
XWHSD30-08100	30- 15	AA	DD		Y	
//	31- 15	AA	DD		Y	
XWHSD40-01800	18- 22	AA	DD		Y	
XWHSD40-08000	12- 18	AA	DD		Y	
XWHSD80-16160	17- 4	AA	DD		Y	
XWVSD40-05000	21- 25	AA	DD		Y	
//	22- 50	AA	DD		Y	
XXHSP30L06000	3- 6	AB	DD		Y	
XXXSP40L04000	12- 7	AA	DD		Y	
[0]						
0AV1331022035	36- 17	AE	DJ		C	
0AV1331022055	36- 12	AG	DS		C	
0AV1331522035	36- 7	AF	DX	N	C	
0AV1331522055	36- 13	AH	DX	N	C	
0AV1331522065	36- 8	AK	EB		C	
0AV1332202050	36- 14	AB	DD		C	
0AV1332202060	36- 9	AC	DJ		C	
0AV1332212050	36- 15	AD	DS	N	C	
0AV1332222055	36- 16	AK	EB	N	C	
0AV1332222065	36- 10	AM	EG	N	C	
0AV1334702060	36- 11	AC	DJ	N	C	
0AV1336812025	36- 6	AD	DJ	N	C	
0AV1390000001	36- 3	AC	DD		C	
0AV1390000071	36- 2	AY	FQ	N	C	
0AV1390000072	36- 2	AX	FQ	N	C	
0AV1390000073	36- 4	AC	DJ	N	C	
0AV1390000074	36- 5	AC	DJ	N	C	
0AV1471020090	36- 18	AB	DD		C	
0AV1471030090	36- 19	AB	DD		C	
0AV1472230090	36- 20	AB	DD		C	
0AV1476820090	36- 21	AB	DD		C	
0AV1478220090	36- 21	AB	DJ	N	C	
0AV1501040140	36- 22	AF	DS	N	C	
0AV1504730140	36- 23	AE	DS	N	C	
0AV1510000004	36- 1	AG	DS		C	
0AV1610000029	36- 27	AC	DD		C	
//	36- 27	AC	DD		C	
0AV1610000041	36- 25	AA	DD		C	
0AV1621010060	36- 24	AB	DD		C	
0AV1650000001	36- 26	AF	DS		C	
//	36- 26	AF	DS		C	
0AV1650000003	36- 26	AD	DJ		C	
0AV1690000001	36- 28	AB	DD		C	
//	36- 28	AB	DD		C	
0AV2011013020	36- 85	AA	DD		C	
0AV2011023010	36- 89	AA	DD		C	
0AV2011033010	36- 90	AA	DD		C	
0AV2011043020	36- 84	AA	DD		C	
0AV2011223020	36- 83	AB	DJ	N	C	
0AV2011233010	36- 98	AA	DD		C	
0AV2011503020	36- 82	AA	DD		C	
0AV2011513010	36- 99	AA	DD		C	
0AV2011523010	36- 100	AA	DD		C	
0AV2011543030	36- 77	AB	DJ	N	C	
0AV2012203020	36- 86	AA	DD		C	
0AV2012213020	36- 81	AA	DD		C	
0AV2012223010	36- 101	AA	DD		C	
//	36- 101	AA	DD		C	
0AV2012223020	36- 80	AA	DD		C	
0AV2012233010	36- 91	AA	DD		C	
0AV2012703020	36- 86	AA	DD		C	
0AV2012723010	36- 92	AA	DD		C	
0AV2012733010	36- 93	AA	DD		C	
0AV2013333010	36- 94	AA	DD		C	
0AV2013343030	36- 77	AA	DD		C	
0AV2013933010	36- 95	AA	DD		C	
0AV2014723010	36- 97	AA	DD		C	
0AV2014723020	36- 79	AA	DD		C	
0AV2014773020	36- 78	AA	DD		C	
0AV2016823010	36- 88	AA	DD		C	
0AV2016833010	36- 87	AA	DD		C	

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0AV20182130 10	36- 96	AA	DD		C	
0AV20218130 40	36- 102	AB	DD		C	
0AV20222030 60	36- 107	AD	DJ	N	C	
0AV20222330 60	36- 108	AC	DJ		C	
0AV20227330 40	36- 103	AC	DJ	N	C	
0AV20227330 53	36- 105	AB	DD		C	
0AV20233030 53	36- 106	AB	DD		C	
0AV20233030 60	36- 111	AD	DJ	N	C	
0AV20233330 60	36- 109	AC	DJ		C	
0AV20247030 40	36- 104	AB	DD		C	
0AV20247030 60	36- 110	AC	DJ		C	
0AV20247330 40	36- 103	AB	DD		C	
0AV20247330 60	36- 108	AC	DJ		C	
0AV20256330 60	36- 109	AD	DJ	N	C	
0AV20268030 76	36- 110	AE	DS	N	C	
0AV20268330 53	36- 105	AB	DD		C	
0AV20410030 10	36- 75	AC	DD		B	
0AV20410130 10	36- 76	AC	DD		B	
//	36- 76	AC	DD		B	
0AV20456030 10	36- 74	AB	DJ	N	B	
0AV20482030 10	36- 74	AC	DD		B	
0AV20501730 70	36- 73	AD	DJ		C	
//	36- 73	AD	DJ		C	
0AV20501740 55	36- 71	AE	DS	N	C	
0AV20505840 55	36- 70	AE	DS	N	C	
0AV20533730 87	36- 72	AG	DX	N	C	
0AV20568730 87	36- 72	AG	DX	N	C	
0AV20600120 00	36- 50	AH	DX	N	A	
0AV20600130 00	36- 50	AM	EG	N	A	
0AV20810291 88	36- 114	AC	DD		B	
0AV30014515 00	36- 67	AL	EG		C	
0AV30218155 00	36- 66	AC	DD		C	
0AV30219595 00	36- 68	AC	DJ		C	
0AV30401769 99	36- 69	AN	EQ		C	
0AV30407251 00	36- 65	AX	FQ	N	C	
0AV30415111 00	36- 65	AX	FQ	N	C	
0AV30500190 00	36- 41	AF	DS		C	
//	36- 41	AF	DS		C	
0AV30500270 00	36- 43	AL	EB		C	
0AV30500290 00	36- 40	AF	DS		C	
0AV30500300 00	36- 46	AA	DD		C	
//	36- 46	AA	DD		C	
0AV30500330 00	36- 42	AE	DJ		C	
0AV30500360 00	36- 40	AF	DS		C	
0AV30500570 00	36- 38	AK	EB	N	C	
0AV30500580 00	36- 39	AH	EB	N	C	
0AV30500590 00	36- 44	AS	EZ	N	C	
0AV30500600 00	36- 45	AR	EQ	N	C	
0AV30600210 00	36- 113	AB	DD		B	
0AV30600290 00	36- 29	AV	FG	N	C	
0AV30600300 00	36- 29	AV	FG	N	C	
0AV30600310 00	36- 30	AC	DJ	N	C	
0AV30700011 00	36- 31	AC	DD		C	
0AV30700450 00	36- 32	AB	DD		C	
//	36- 32	AB	DD		C	
0AV30700490 00	36- 33	AB	DD		C	
0AV30700500 00	36- 35	AB	DD		C	
0AV30700570 00	36- 34	AC	DD		C	
0AV30700580 00	36- 36	AC	DD		C	
0AV30700740 00	36- 32	AC	DJ	N	C	
//	36- 32	AC	DJ	N	C	
0AV30801112 00	36- 64	AL	EG	N	B	
0AV30806211 00	36- 64	AG	DX	N	B	
0AV30900060 00	36- 55	AK	DX		C	
0AV30900080 00	36- 54	AK	DX		C	
0AV30900400 00	36- 51	AR	EQ	N	C	
0AV30900410 00	36- 52	AF	DX	N	C	
0AV30900430 00	36- 53	AM	EG	N	C	
0AV31600200 00	36- 113	AS	EZ	N	B	
0AV40000710 11	36- 112	BC	GN	N	B	
0AV40000717 11	36- 112	BE	GN	N	B	
0AV40300268 12	36- 62	AX	FQ	N	C	
0AV40300269 11	36- 61	BB	GJ	N	C	
0AV40500010 00	36- 63	AF	DS		C	
0AV40500046 11	36- 59	AQ	EQ	N	C	
0AV40500050 00	36- 57	AD	DS		C	
0AV40500090 00	36- 58	AF	DS	N	C	
0AV40700370 00	36- 56	AZ	FX	N	C	
0AV41200020 00	36- 60	AC	DD		C	
//	36- 60	AC	DD		C	

PARTS CODE	NO.	PRICE R. Ex.	PRICE R. Ja.	NEW	P/R	
0AV50220001 11	36- 117	AE	DS	N	A	
0AV50300670 00	36- 115	AH	DX	N	C	
0AV50300680 00	36- 115	AH	DX	N	C	
0AV50300690 00	36- 116	AH	EB	N	C	
0AV50500020 00	36- 118	AB	DD		C	
0AV50500050 00	36- 119	AA	DD		C	
0AV50600150 00	36- 48	AF	DS		A	
0AV50600200 00	36- 49	AG	DS		A	
0AV50600470 00	36- 49	AE	DS		A	
0AV50600580 00	36- 47	AK	EB	N	A	
0AV50600590 00	36- 48	AG	DX	N	A	
0AV50600600 00	36- 47	AG	DX	N	A	
0AV51300060 00	36- 120	AB	DJ	N	C	
0AV61110074 11	36- 124	BE	GN	N	C	
0AV61120511 15	36- 129	AB	DD		C	
0AV61140229 11	36- 132	AD	DJ		C	
0AV61140289 11	36- 131	AD	DJ		C	
0AV61140404 11	36- 121	AP	EQ	N	C	
0AV70120511 16	36- 130	AF	DS		C	
0AV71140292 11	36- 127	AM	EG	N	A	
0AV71140293 11	36- 127	AP	EQ	N	A	
0AV71140294 11	36- 128	AH	DX	N	A	
0AV71140295 11	36- 128	AL	EG	N	A	
0AV72000080 00	36- 133	AD	DJ		C	
0AV73120013 11	36- 125	AK	EB		C	
0AV73140500 13	36- 126	AE	DS	N	C	
0AV74140807 12	36- 136	AD	DJ	N	C	
0AV74140808 12	36- 136	AD	DJ	N	C	
0AV81112306 14	36- 122	AA	DD		Y	
0AV81122307 14	36- 123	AA	DD		Y	
0AV81202306 14	36- 135	AA	DD		Y	
0AV81402303 14	36- 134	AA	DD		Y	

SHARP PARTS GUIDE

CODE: 00ZSF2035PG-M

MODEL SF-2035

このパーツガイドに掲載されている表示価格ランクは、消費税抜きです。

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CPS

書はサービス活動用に作成した資料です。
部内容が製品の改良・改善等により予告なに変わることがあります。

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

補修部品のランク付

市場における補修部品の在庫管理が、適正に運営出来る手助けとなることを、目的とします。

Sランク：消耗品パーツ。

Aランク：取替頻度が高く、在庫を必要とするパーツ。

Bランク：取替頻度は比較的低いが、在庫を必要とするパーツ。

Cランク：取替頻度は低いが、在庫を必要とするパーツ。

Yランク：取替頻度は極めて低いが、新品再生に必要なパーツ。

Eランク：ユニットパーツ。サービス効率アップの為、在庫する事を推奨するパーツ。
サービス工具。メンテナンス、調整等、サービス実務上、使用する為、在庫する事を推奨するパーツ。

但し、複写機のパーツについては、同一パーツ名であっても、下記パーツは、使用箇所の相違により、A・Bランク分けします。

パーツ名：金属性のギャー、スプロケット、ベアリング、ゴム製のベルト、スプリングクラッチ機構

DEFINITION

The definition of each Rank is as follows and also noted in the list

SPARE PARTS RANKS DEFINITION

The spare parts are classified into the following ranks to facilltate stock control in the market.

Rank S : Consumable parts.

Rank A : Frequent replacement parts necessary to be stocked.

Rank B : Normal replacement parts necessary to be stocked.

Rank C : Rare replacement parts necessary to be stocked.

Rank Y : Very rare replacement parts necessary for refurbishing.

Rank E : Unit parts :Recommendable to be stocked for efficient servicing.
Service tools : Recommendable to be stocked for maintenance, adjustments, and servicing.

Please note that the following parts used in Copier under the same description are classified into A or B Rank depending upon the place used.

Example : Gear made of Metal, Sprocket, Bearing, Belt made of Rubber, Spring clutch mechanism.

安全性・信頼性確保のため部品は、必ず正規のものをご使用下さい。

⚠印の部品は、安全上重要な部品です。交換する時は、安全および性能維持のため必ず指定の部品をご使用下さい。

Because parts marked with "⚠" is indispensable for the machine safety maintenance and operation, it must be replaced with the parts specific to the porduct specification.

- SF-2035のサービス資料には、この資料以外にサービスマニュアル、回路図集等があります。合せて御利用下さい。
- Other than this Parts Guide, please refer to documents Service Manual Circuit Diagram for SF-2035.
- Please use 13 digit code described in the right hand corner of front cover of the document, when you place an order.
- For U.S. only-Use order codes provided in advertising literature.
  Do not order from parts department.

CPS
このパーツガイドは、データを情報のコンピュータより直接取り出し、電算写植システム(CPS：コンピュータ フォトタイプ システム)に乗せ、自動編集させ作ったものです。
Editon of this Parts Guide is made fully automatic by the computer phototype system (CPS) whose printout data are directly picked up from the Sharp's main computer bank.

1 外装(Exteriors)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	CCAB-0780FC01	BE	GN	N	C	Front exterior (Japan only)	マエキャビ
	CCAB-0780FC02	BE	GN	N	C	Front exterior (USA only)	マエキャビ
	CCAB-0780FC03	BE	GN	N	C	Front exterior (Australia,U,Kingdom)	マエキャビ
	CCAB-0780FC05	BE	GN	N	C	Front exterior (Indonesia only)	マエキャビ
	CCAB-0780FC04	BE	GN	N	C	Front exterior (other countries)	マエキャビ
2	TLABH3261FCZZ	AB	DD		C	Cartridge instruction label (Japan only)	カートリッジコウカン セツメイラベル J
	TLABH3262FCZZ	AB	DD		C	Cartridge instruction label (USA,Australia,U,Kingdom)	カートリッジコウカン セツメイラベル U
	TLABH3368FCZZ	AD	DS	N	C	Cartridge instruction label (Other countries)	カートリッジコウカン セツメイラベル E4
3	MHNG-0168FCZZ	AE	DS	N	C	Front exterior hinge R1	マエキャビヒンジ R1
4	XBTSE40P10000	AA	DD		Y	Screw (4×10)	ビス
5	PCOVP1125FCZZ	AQ	EZ		C	Front cover	フロントカバー
6	CFTA-0088FC01	AP	EQ		C	Waste toner cover (This includes No21)	ハイトナーフタ(NO21フクム)
7	CCAB-0749FC02	BB	GN		C	Right exterior (SF-2035H)	ミギキャビ
	CCAB-0749FC01	BB	GN		C	Right exterior (Japan only)	ミギキャビ
	CCAB-0779FC01	BC	GN	N	C	Right exterior (Export)	ミギキャビ
8	GCAB-0754FCZ1	BA	GD	N	C	Rear exterior	ウシロキャビ
9	GCAB-0750FCZ1	BD	GN	N	C	Left exterior	ヒダリキャビ
10	CCOVP1186FC01	AY	FQ	N	C	Frame cover (Japan only)	フレームカバー
	PCOVP1186FCZ2	AY	FQ	N	C	Frame cover (Europe,Near and Middle East,Africa)	フレームカバー
	PCOVP1186FCZ1	AY	FQ	N	C	Frame cover (Other countries)	フレームカバー
11	PMAGT0015FCZZ	AD	DJ		C	Magnet catch (10P)	マグネットキャッチ
12	XBTSE40P08000	AA	DD		Y	Screw (4×8)	ビス
13	GCAB-0746FCZZ	AN	EG		C	Upper exterior right	ウエキャビミギ
14	PGIDM1337FCZZ	AK	EB		C	OR guide R	ORガイドR
15	PGLSP0074FCZZ	BA	GJ		C	Table glass	テーブルガラス
16	CGIDM1338FC04	AR	EZ	N	C	OR guide L (Japan only)	ORガイドL
	CGIDM1338FC05	AR	EZ	N	C	OR guide L (Export･･AB series)	ORガイドL
	CGIDM1338FC06	AQ	EQ	N	C	OR guide L (Inch series)	ORガイドL
17	GCAB-0747FCZZ	AN	EG		C	Upper exterior left	ウエキャビヒダリ
18	TLABZ2811FCZZ	AB	DD		C	Power supply label (Japan only)	デンゲンラベル
19	XHBSE40P10000	AA	DD		Y	Screw (4×10)	ビス
20	TCAUH0918FCZZ	AA	DD		C	Service caution label (USA,Australia)	サービスチュウイラベル
	TCAUH0687FCZZ	AA	DD		C	Service caution label (CANADA only)	サービスチュウイラベル
	TCAUA0766FCZZ	AB	DD		C	Service caution label (U,Kingdom only)	サービスチュウイラベル
	TCAUA0770FCZZ	AB	DD		C	Service caution label (Export･･other countries)	サービスチュウイラベル
21	TLABZ3260FCZZ	AD	DJ		C	Label	カイシュウヨウキコウカンラベル
22	LPLTM2573FCZ1	AD	DJ		C	MG Plate	MGプレート
23	XBSSE30P10000	AA	DD		Y	Screw (3×10)	ビス
24	LHLDW1115FCZZ	AO	DJ		C	Eadge holder (SEDS 1210)(USA,Canada,Barbados,Costa Rica,Brazil)	エッジサドル
	LBSHZ2050SCZZ	AB	DD		C	Eadge bushing (EDS-1208U)(other countries)	エッジサドル
26	LX-BZ0377FCZZ	AA	DD		B	Screw (USA,CANADA,Australia,U,Kingdom,SEEG)	ダンビス
	XHBSE40P10000	AA	DD		Y	Screw (4×10)(Other countries)	ビス
27	LX-WZ0096FCZZ	AA	DD		B	Washer (USA,CANADA,Australia,U,Kingdom,SEEG)	ヒラワッシャ
28	LBNDJ0057FCZ1	AE	DS	N	Y	Front exterior band R	マエキャビバンド R
29	LPLTM4181FCZZ	AD	DJ		C	Front exterior MG plate	マエキャビMGプレート
30	XEBSD40P08000	AA	DD		Y	Screw (4×8)	ビス
31	LBNDJ0054FCZ1	AE	DS	N	Y	Front exterior band L	マエキャビバンド L
32	LPLTM1077FCZZ	AB	DD		C	MG catch plate	MGキャッチプレート
33	TLABH3348FCZZ	AE	DS	N	C	Manual feed caution label (Japan only)	テサシチュウイラベル
34	PFTA-0102FCZZ	AH	DX	N	C	Cover	メンテヨウフタ
35	XJPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
36	MHNG-0166FCZZ	AE	DS	N	C	Front exterior hinge L1	マエキャビヒンジ L1
37	LPIN-0277FCZZ	AB	DJ	N	B	Slide pin	スライドピン

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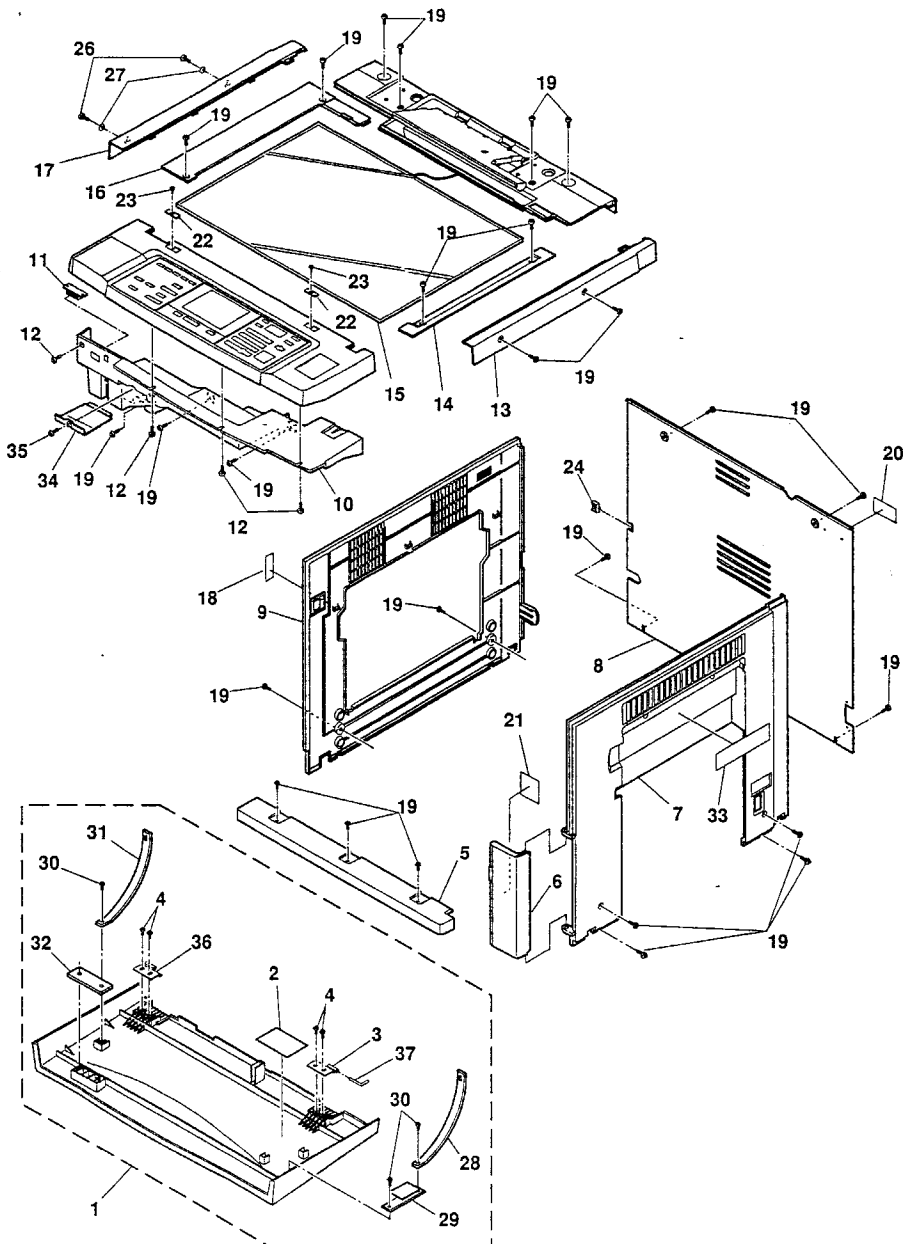
1 外装(Exteriors)

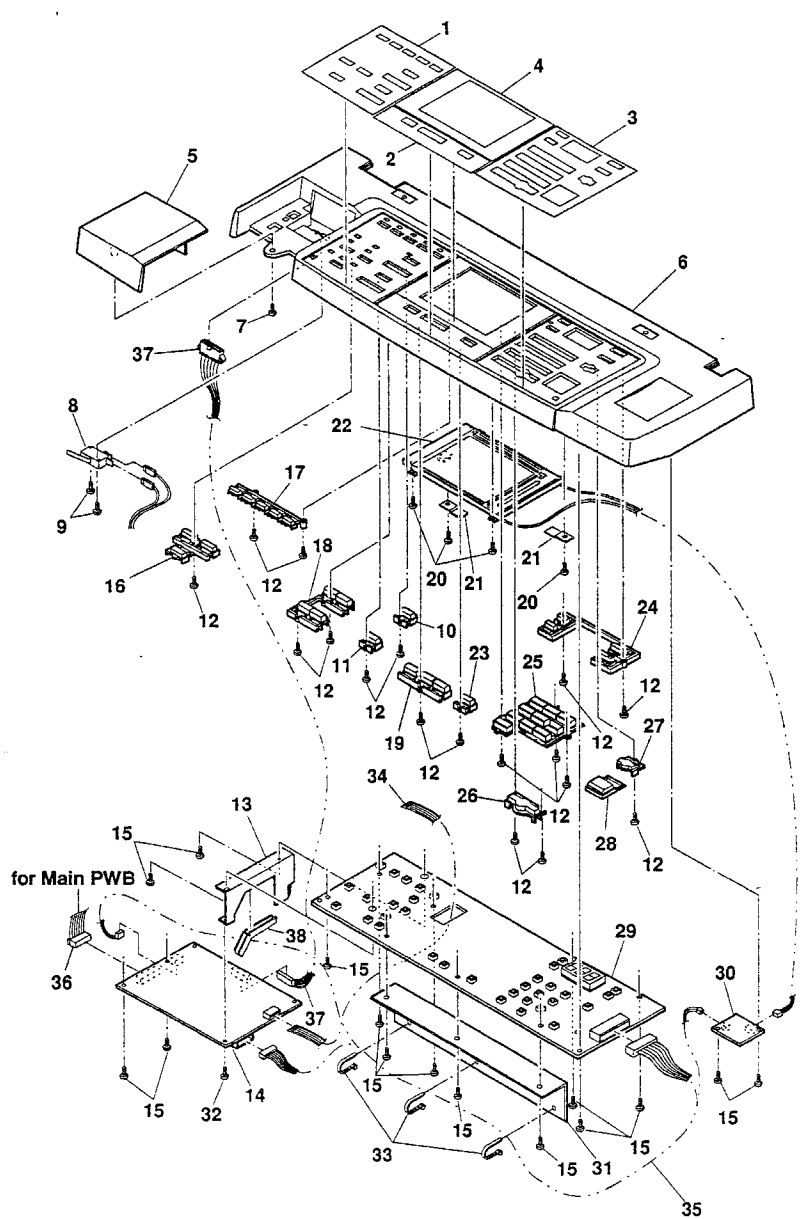


2 操作部(Operation panel)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	HiNDP0401FCZZ	AT	EZ	N	C	Key sheet A(Japanese) (Japan only)	キーシート A (ニホンゴ)
	HiNDP0410FCZZ	AT	EZ	N	C	Key sheet A(French) (CANADA only)	キーシート A (フランスゴ)
	HiNDP0407FCZZ	AT	EZ	N	C	Key sheet A(German) (Germany only)	キーシート A (ドイツゴ)
	HiNDP0404FCZZ	AT	EZ	N	C	Key sheet A(English) (Except Japan,SEEG(Except Germany))	キーシート A (エイゴ)
2	HiNDP0402FCZZ	AM	EQ	N	C	Key sheet B(Japanese) (Japan only)	キーシート B (ニホンゴ)
	HiNDP0411FCZZ	AM	EQ	N	C	Key sheet B(French) (CANADA only)	キーシート B (フランスゴ)
	HiNDP0408FCZZ	AM	EQ	N	C	Key sheet B(German) (Germany only)	キーシート B (ドイツゴ)
	HiNDP0405FCZZ	AM	EQ	N	C	Key sheet B(English) (Except Japan,SEEG(Except Germany))	キーシート B (エイゴ)
3	HiNDP0403FCZZ	AT	EZ	N	C	Key sheet C(Japanese) (Japan only)	キーシート C (ニホンゴ)
	HiNDP0409FCZZ	AT	EZ	N	C	Key sheet C(German) (Germany only)	キーシート C (ドイツゴ)
	HiNDP0406FCZZ	AT	EZ	N	C	Key sheet C(English) (Except Japan,SEEG(Except Germany))	キーシート C (エイゴ)
	HiNDP0423FCZZ	AT	EZ	N	C	Key sheet C(French) (CANADA only)	キーシート C (フランスゴ)
4	CFiLZ0199FC01	AZ	FX	N	C	Operation filter	ソウサブフィルター
5	CFTA-0101FC01	AH	EB	N	C	Cover	オーデイターフタ
6	CPNLC0214FC01	AZ	FX	N	C	Operation panel (Japan only)	ソウサパネル
	CPNLC0214FC02	AZ	FX	N	C	Operation panel (AB series)	ソウサパネル
	CPNLC0214FC03	AZ	FX	N	C	Operation panel (Inch series)	ソウサパネル
7	XBPSD40P08000	AA	DD		Y	Screw (4×8)	ビス
⚠8	QSW-M0319FCZZ	AG	DS		A	Door switch (100V series)	ドアースイッチ
⚠	QSW-M0372FCZZ	AH	DX		A	Door switch (200V series)	ドアースイッチ
9	XEPSD30P16000	AA	DD		Y	Screw (3×16)	ビス
10	JBTN-0167FCZZ	AE	DS	N	C	Blue Key	ブルーキー
11	CBTN-0167FC01	AF	DX	N	C	Blue Key	ブルーキー
12	XEPSD20P05000	AA	DD		Y	Screw (2×5)	ビス
13	LSTYM0204FCZZ	AF	DS	N	C	LCD control PWB stay	オペコンキバンステイ
14	CPWBN0974FC51	CB	TZ	N	E	LCD control PWB(Japanese)	LCDコントロールキバン J(ニホンゴ)
	CPWBN0974FC52	CB	TZ	N	E	LCD control PWB(English)	LCDコントロールキバン U(エイゴ)
	CPWBN0974FC53	CB	TZ	N	E	LCD control PWB(German)	LCDコントロールキバン G(ドイツゴ)
	CPWBN0974FC54	CB	TZ	N	E	LCD control PWB(Spanish)	LCDコントロールキバン S (スペインゴ)
	CPWBN0974FC55	CB	TZ	N	E	LCD control PWB(French)	LCDコントロールキバン F (フランスゴ)
15	XJPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
16	JBTN-0169FCZZ	AE	DS	N	C	Duplex sorter Key	リヨウメンソーターキー
17	JBTN-0168FCZZ	AB	DJ	N	C	Light gray Key	ライトグレーキー
18	CBTN-0166FC01	AF	DX	N	C	Zoom Key 1	ズームキー 1
19	CBTN-0173FC01	AF	DX	N	C	Photo Key	フォトキー
20	XJPSD30P05000	AA	DD	N	Y	Screw (3×5)	ビス
21	LPLTM4419FCZZ	AB	DJ	N	C	Liquid crystal fixing plate A	エキショウトリツケイタ A
22	VVLLM32010P-1	CA	TV	N	B	LCD (LM32010P)	LCD
23	CBTN-0170FC01	AF	DS	N	C	Cassette Key	カセットキー
24	CBTN-0171FC01	AH	DX	N	C	Scroll key	スクロールキー
25	CBTN-0164FC01	AH	DX	N	C	Ten Key	テンキー
26	CBTN-0165FC01	AE	DS	N	C	CL Key	クリヤーキー
27	CBTN-0163FC01	AD	DS	N	C	CA Key	CAキー
28	CBTN-0136FC31	AE	DS		E	Copy key unit	コピーキー ユニット
29	CPWBF0969FC51	BP	LP	N	E	Operation PWB	ソウサキバン
30	CPWBF0979FC31	BA	GD	N	E	Inverter PWB	インバーターキバン
31	PSHEP3341FCZZ	AG	DX	N	A	Harness fixing sheet	ハーネストリツケマイラー
32	XBPSD30P05000	AA	DD		Y	Screw (3×5)	ビス
33	LBNDJ0013FCZZ	AA	DD		Y	Wire band	ワイヤーバンド
34	DHAi-2205FCZZ	AE	DS	N	C	LCP interface flat cable	LCDチュウケイフラットケーブル
35	DHAi-2130FCZZ	AT	EZ	N	C	Operation harness A	ソウサハーネスA
36	DHAi-2121FCZZ	AV	FG	N	C	Operation main harness	ソウサメインカンハーネス
37	DHAi-2203FCZZ	AN	EQ	N	C	AUD interface harness	AUDチュウケイハーネス
38	LBSHC0292FCZZ	AC	DJ	N	C	Bushing (SG12L125)	フリーブッシング

SF2035

2 操作部(Operation panel)



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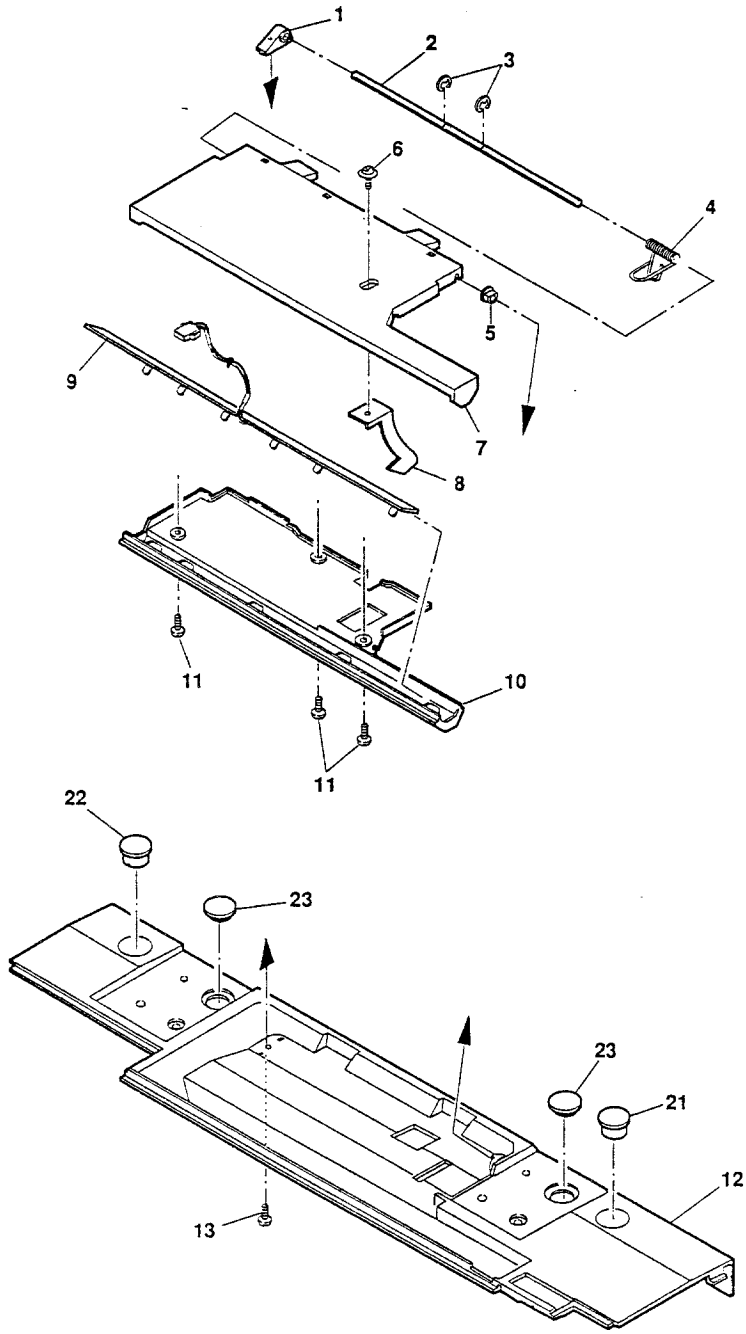
3 後キャビ上(Rear exterior upper)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LHLDZ'1085FCZZ	AD	DJ		C	Original detection fulcrum holder	ゲンコウケンチシテンホルダー
2	NSFTZ1805FCZZ	AE	DS		C	Original detection fulcrum shaft	ゲンコウケンチシテンジク
3	XRESP30-04000	AA	DD		Y	E type ring	Eリング
4	MSPRT1563FCZZ	AC	DD		A	Manuscript detect spring	ゲンコウケンチスプリング
5	LBSHZ1102CCZZ	AC	DD		B	Bushing 1	ゴムローラー1 ブッシング
6	XXHSP30L06000	AB	DD		Y	Screw (3×6)	ビス
7	MARMP0147FCZZ	AK	EB		C	Original detection arm upper	ゲンコウケンチアーム ウエ
8	PSLDH0170FCZZ	AD	DJ		C	Original detection shield plate	ゲンコウケンチシャコウイタ
9	CPWBF0934FC31	AX	FX		E	ORS PWB (Japan only)	ORSハッコウキバン J
	CPWBF0934FC32	AX	FX		E	ORS PWB (Export)	ORSハッコウキバン EX
10	MARMP0148FCZZ	AH	DX		C	Original detection arm lower	ゲンコウケンチアーム シタ
11	XEPSD30P05000	AA	DD		Y	Screw (3×5)	ビス
12	GCAB-0748FCZ1	AW	FQ		C	Upper exterior rear	ウエキャビウシロ
13	XEPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
21	PCOVP0911FCZZ	AB	DD		C	Upper exterior rear cover R (USA,CANADA,Australia U,Kingdom,SEEG)	ウエキャビアトカバー R
22	PCOVP0941FCZZ	AB	DD		A	Upper exterior rear cover L (USA,CANADA,Australia U,Kingdom,SEEG)	ウエキャビアトカバー L
23	PFTA-0091FCZZ	AC	DJ		C	Cover	カクシフタ



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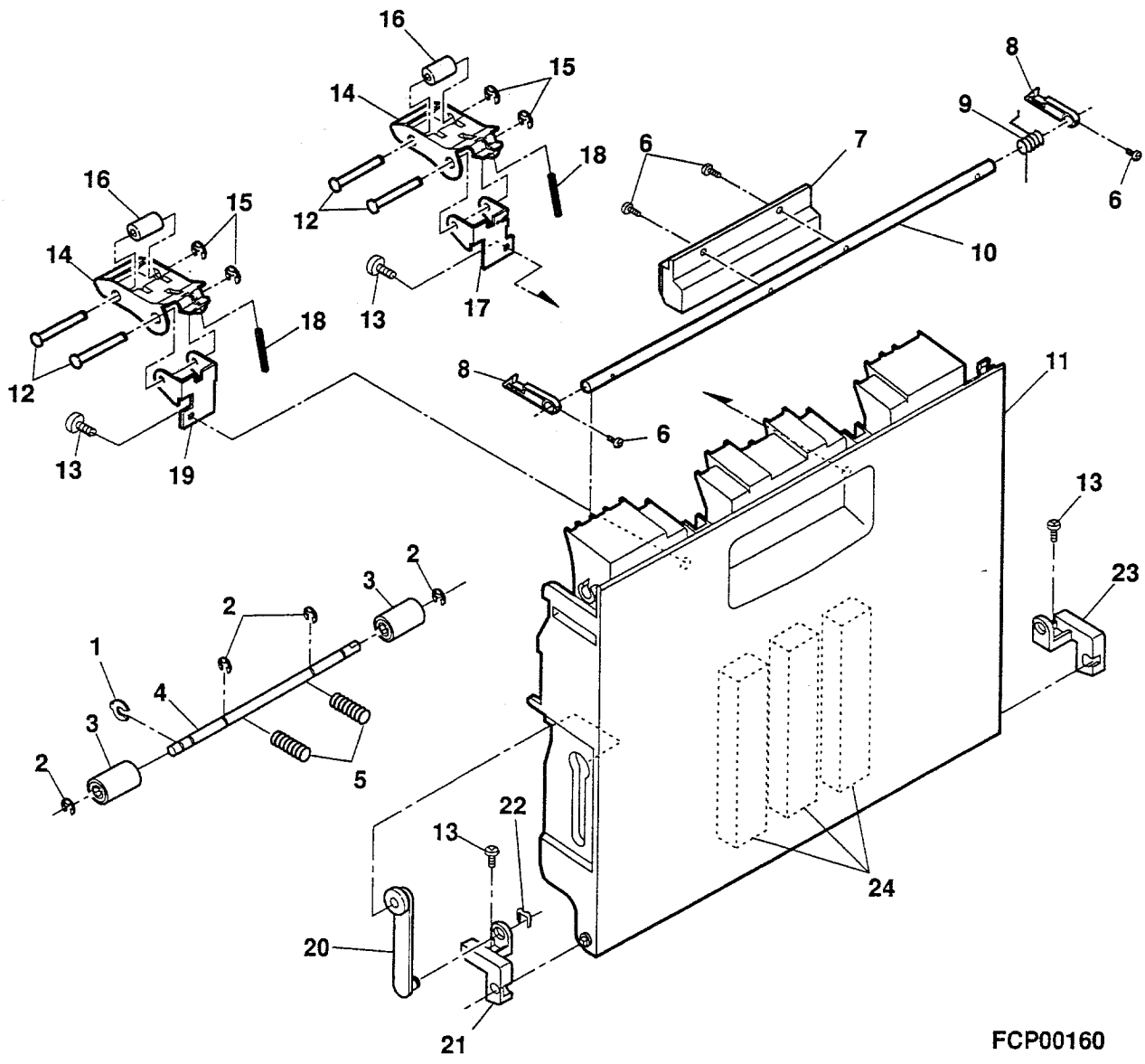
4 縦搬送ユニット(Vertical transport unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LSTPP0279FCZZ	AB	DD		C	Stopper	ストッパー
2	XRESP50-06000	AA	DD		Y	E type ring	Eリング
3	NROLP0896FCZZ	AC	DD		C	Transport roller	ハンソウジュウドウローラー
4	NSFTZ1775FCZZ	AK	EB		C	Transport shaft	ハンソウジュウドウジク
5	MSPRC1948FCZZ	AB	DD		A	Roller pressure spring	ローラーアツセツスプリング
6	XBPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
7	MLEVP0595FCZZ	AF	DS		C	Guide lock release lever	ガイドロックカイジョレバー
8	MLEVP0594FCZZ	AD	DJ		C	Guide lock lever	ガイドロックレバー
9	MSPRD1949FCZZ	AB	DD		A	Guide lock release spring	ガイドロックカイジョスプリング
10	NSFTZ1735FCZZ	AN	EG		C	Guide lock release shaft	ガイドロックカイジョジク
11	PGiDM1353FCZZ	AY	FX		C	Transport guide	ハンソウガイド
12	NSFTZ1825FCZZ	AD	DJ		C	Transport shaft 2	ハンソウジュウドウジク 2
13	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
14	LHLDZ1116FCZZ	AD	DJ		C	Roller holder	ローラーホルダー
15	XRESP30-06000	AA	DD		Y	E type ring	Eリング
16	NROLP0933FCZZ	AE	DS		C	Transport roller 2	ハンソウジュウドウローラー 2
17	LPLTM4151FCZZ	AC	DD		C	Roller fixing Plate R	ローラートリツケイタ R
18	MSPRT2000FCZZ	AB	DD		A	Roller pressure spring 2	ローラーアツセツスプリング2
19	LPLTM4150FCZZ	AC	DD		C	Roller fixing Plate F	ローラートリツケイタ F
20	LSTPP0275FCZZ	AE	DS		C	Stopper	ストッパー
21	LHLDZ1076FCZ1	AD	DS		C	Height transport guide holder F	タテハンソウガイドシテンホルダー F
22	PRNGP0077FCZZ	AA	DD		A	Ring (E7)	ジュシセイリングE7
23	LHLDZ1107FCZ1	AD	DS		C	Height transport guide holder R	タテハンソウガイドシテンホルダーR
24	PMLT-0901FCZZ	AD	DS	N	A	Transport guide cushion (Japan only)	ハンソウカイドキュウオンフォーム



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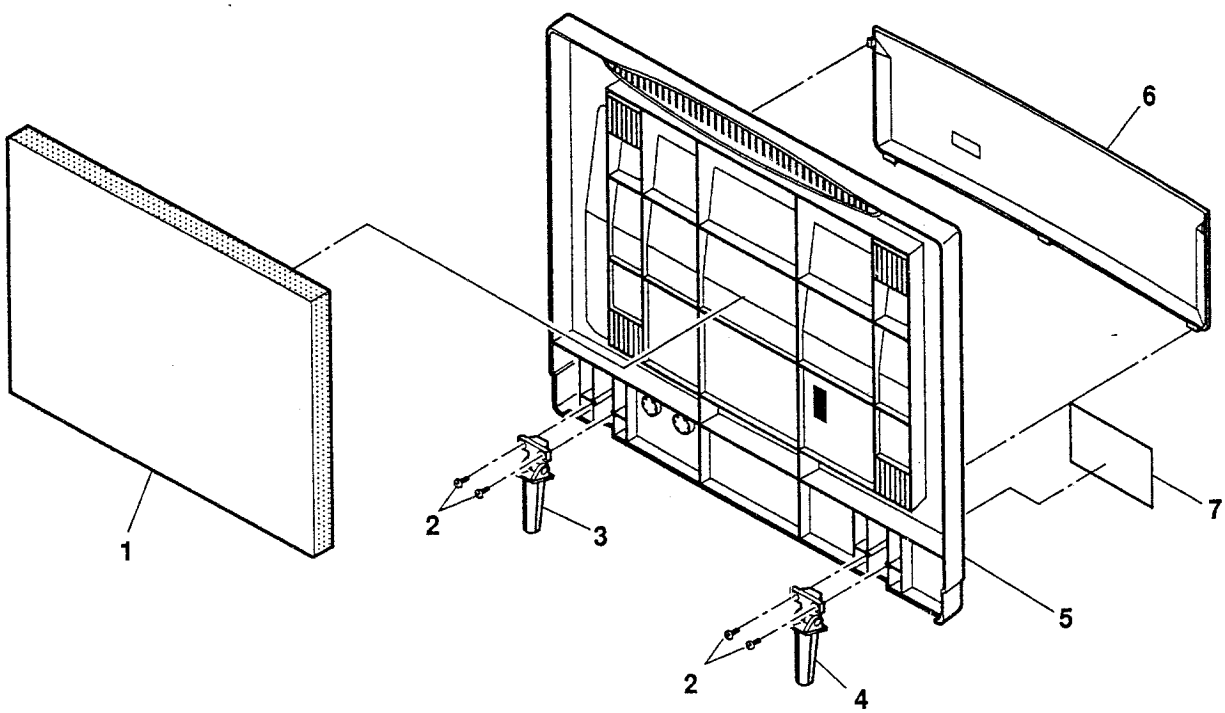
5 OCカバーユニット(OC cover unit)option SF-CV13··USA,CANADA,Australia,U,Kingdom,SEEG

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	PSHEZ2714FCZZ	AT	FG		A	OC sheet (Japan only)	OCマット
	PSHEZ2715FCZZ	AU	FQ		A	OC sheet (Except Japan,USA,CANADA,Australia,SEEG,U,Kingdom)	OCマット
2	XJBSD40P12000	AA	DD		Y	Screw (4×12)(Except USA,CANADA,Australia,SEEG,U,Kingdom)	ビス
3	MHNG-0086FCZZ	AL	EG		C	OC hinge (Except USA,CANADA,Australia,SEEG,U,Kingdom)	OCヒンジ
4	MHNG-0096FCZZ	AL	EG		C	OC hinge R (Except USA,CANADA,Australia,SEEG,U,Kingdom)	OCヒンジ R
5	GCOVH0206FCZZ	BA	GJ		C	OC cover (Except USA,CANADA,Australia,SEEG,U,Kingdom)	OCカバー
6	PSTK-0015FCZZ	AQ	EZ		C	Original stocker (Except USA,CANADA,Australia,SEEG,U,Kingdom)	オリジナルストッカー
7	TLABH3076FCZZ	AD	DJ		C	Condition label(Japanese) (Japan only)	コンディションラベル(ニホンゴ)
	TLABH3077FCZZ	AD	DJ		C	Condition label(English) (USA,Australia,U,Kingdom)	コンディションラベル(エイゴ)
	TLABH3079FCZZ	AD	DJ		C	Condition label(German) (Germany only)	コンディションラベル(ドイツゴ)
	TLABH3078FCZZ	AD	DJ		C	Condition label(E,F,G,S) (Other countries)	コンディションラベル E4
	TLABH3080FCZZ	AD	DJ		C	Condition label(French)	コンディションラベル(フランスゴ)
	TLABH3081FCZZ	AD	DJ		C	Condition label(Spanish)	コンディションラベル(スペインゴ)
	TLABH3082FCZZ	AD	DJ		C	Condition label(Italian)	コンディションラベル(イタリアゴ)
	TLABH3203FCZZ	AD	DJ		C	Condition label(Dutch)	コンディションラベル(オランダゴ)



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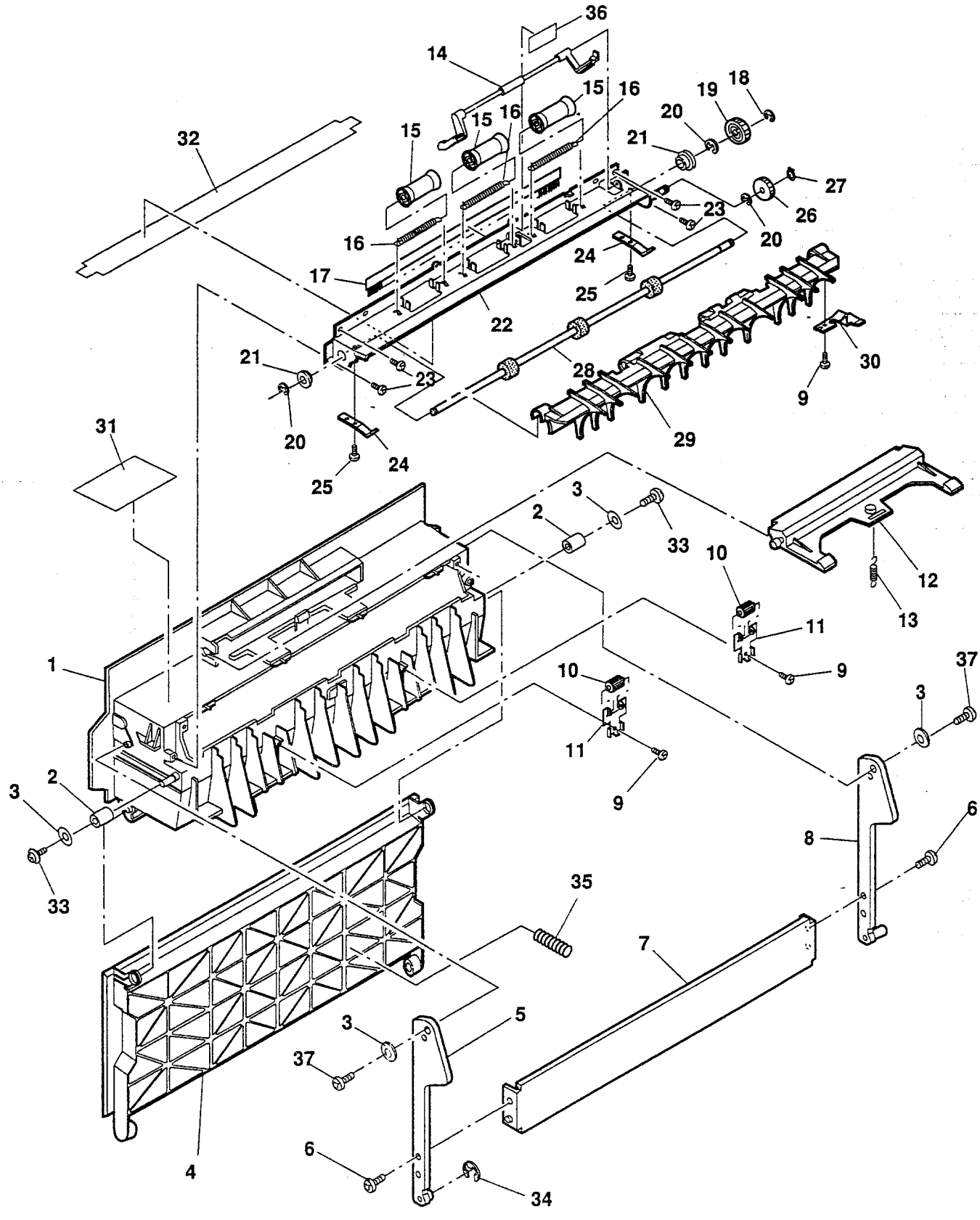
6 排紙反転ユニット(Paper exit reversing unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	GCAB-0752FCZ1	AZ	GD		C	Delivery exterior	ハイシキャビ
2	NBRGM1040HCZZ	AC	DJ		B	Bearing,platen	プラテン ベアリング
3	XWHSD30-05070	AA	DD		Y	Washer	ワッシャ
4	GCAB-0753FCZZ	AU	FQ		C	Delivery exterior lower	ハイシキャビシタ
5	CPLTM4062FC01	AH	DX		C	Fulcrum plate F	シテンバン F
6	XBPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
7	LSTYM0184FCZZ	AL	EG		C	Fulcrum plate stay	シテンバンステイ
8	CPLTM4062FC02	AH	DX		C	Fulcrum plate R	シテンバン R
9	XEPSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Pタイト)
10	PCLR-0301FCZZ	AB	DD		C	Collar	ジュウドウコロ
11	MSPRP1520FCZ2	AD	DJ		A	Spring	ジュウドウコロスプリング
12	PTME-0221FCZ1	AH	DX		C	Lock pawl	ロックヅメ
13	MSPRT2033FCZZ	AA	DD		A	Lock spring	ロックバネ
14	MLEVP0606FCZZ	AH	DX		C	POD lever	PODアクチュエーター
15	NROLP0937FCZ1	AC	DJ		C	Delivery roller upper (Japan only)	ハイシローラーウエ
	NROLP0923FCZZ	AC	DD		C	Delivery roller upper (Export)	ハイシローラーウエ
16	MSPRC1973FCZZ	AA	DD		A	Delivery roller spring	ハイシローラースプリング
17	PBRSS0118FCZZ	AG	DX		A	Discharge brush	ジョデンブラシ
18	XRESP40-06000	AA	DD		Y	E type ring	Eリング
19	NGERH0194FCZZ	AB	DD		A	LB drive gear (22T)	LBクドウギヤー
20	XRESP50-06000	AA	DD		Y	E type ring	Eリング
21	NBRGC0069FCZZ	AB	DD		B	Bearing,pulley	プーリーベアリング
22	CGiDH1363FC01	AM	EG		C	Delivery paper guide	ハイシペーパーガイド
23	XEPSD40P08000	AA	DD		Y	Screw (4×8)	ビス
24	LFiX-0440FCZZ	AB	DD		C	Upper pawl fixing plate	ウエツメオサエ
25	XBPSD30P04000	AA	DD		Y	Screw (3×4)	ビス
26	NGERH0867FCZZ	AC	DD		A	Delivery gear 20T	ハイシデンタツギヤー20T
27	PRNGP0025FCZZ	AA	DD		A	V ring (GTW-5)	Vリング
28	NROLR0910FCZZ	AN	EG		C	Delivery roller	ハイシローラー
29	PGiDM1354FCZZ	AP	EQ		C	Gate guide	ハンテンゲート
30	LANGT1343FCZZ	AD	DJ		C	Gate angle	ゲートアングル
31	TCAUH0960FCZZ	AB	DD		C	High temperature caution label (Japan only)	コウオンチュウイラベル J
	TCAUH0961FCZZ	AB	DD		C	High temperature caution label (USA,Australia,U,Kingdom)	コウオンチュウイラベル U
	TCAUH0962FCZZ	AB	DD		C	High temperature caution label (Other countries)	コウオンチュウイラベル E4
32	PSHEP3239FCZZ	AE	DS		A	Delivery paper guide sheet (Japan only)	ハイシペーパーガイドマイラー
33	XEPSD30P08000	AA	DD		Y	Screw (3×8)	ビス
34	XRESP50-06000	AA	DD		Y	E type ring	Eリング
35	MSPRC2019FCZZ	AB	DJ	N	A	Delivery spring	ハイシケリダシスプリング
36	PSHEP3238FCZZ	AB	DD		A	Sheet	アクチュエータージョウゲンマイラー
37	XEPSD30P14000	AA	DD		Y	Screw (3×14)	ビス

6 排紙反転ユニット(Paper exit reversing unit)



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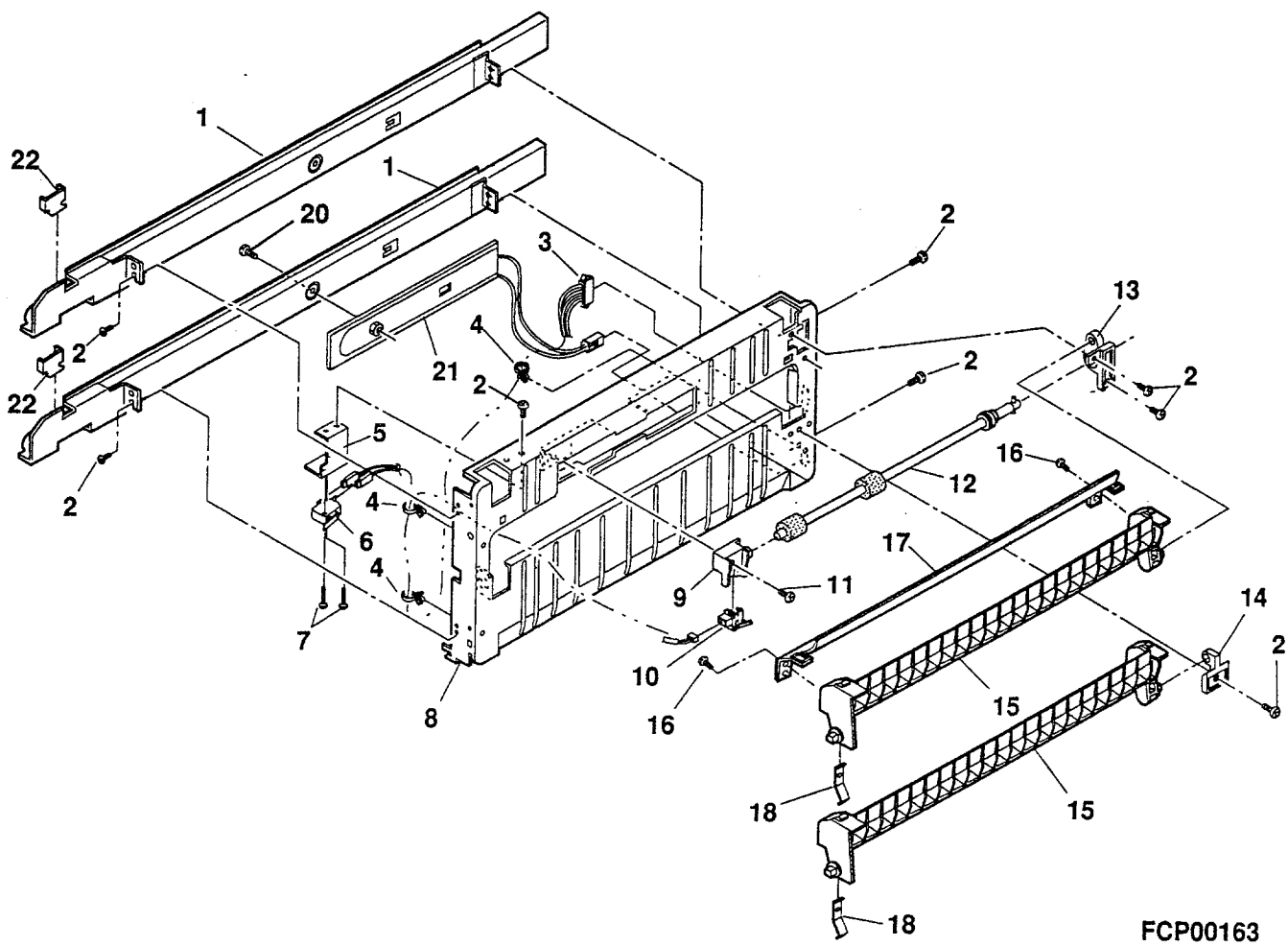
7 搬送ユニット(Transport unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	CRALM0096FC01	AR	EZ		C	Drawer rail R	ヒキダシレール R
2	XBBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
3	DHAi-2045FCZZ	AM	EG		C	Transport interface harness	ハンソウチュウケイハーネス
4	LBNDJ0043FCZZ	AA	DD		Y	Snap band (SG-130)	スナップバンド
5	LPLTM4033FCZZ	AE	DJ		C	Guide switch fixing plate	ガイドSWトリツケイタ
6	QSW-M0319FCZZ	AG	DS		A	Door switch	ドアースイッチ
7	XBPSD30P14000	AA	DD		Y	Screw (3×14)	ビス
8	PGiDH1356FCZZ	AV	FQ		C	Transport paper guide	ハンソウ ペーパーガイド
9	LHLDZ1082FCZZ	AC	DJ		C	Roller holder FB	ローラーホルダー FB
10	QSW-L0443FCZZ	AM	EG		A	Lead switch (PID1)	リードスイッチ
11	XBPSD40P18000	AA	DD		Y	Screw (4×18)	ビス
12	CROLR0900FC02	AS	EZ	N	C	Transport roller	ハンソウローラー
13	LHLDZ1080FCZZ	AC	DJ		C	U-turn paper guide holder U	Uターンペーパーガイドホルダー U
14	LHLDZ1081FCZZ	AC	DJ		C	U-turn paper guide holder L	Uターンペーパーガイドホルダー L
15	PGiDM1340FCZZ	AM	EG		C	U-turn paper guide A	Uターンペーパーガイド A
16	XEPSD40P08000	AA	DD		Y	Screw (4×8)	ビス
17	PGiDM1387FCZZ	AM	EG		C	U-turn paper guide B	Uターンペーパーガイド B
18	MSPRT1939FCZZ	AB	DD		A	U-turn paper guide spring	Uターンペーパーガイドスプリング
20	LX-BZ0465FCZZ	AA	DD		B	Screw	(SF-2035H) ビス
21	RHETP0056FCZZ	AW	FX		S	Dry heater 1	(SF-2035H) ジョシツヒーター 1
22	LSTPF0295FCZZ	AC	DD		B	Drawer stopper R	UNヒキダシストッパー Rショ



8 前フレーム(Front frame)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	RMOTE0630FCZZ	AW	FX		B	Main motor(cooling)	メインモーター(レイキャク)
3	QSW-C1390QCZZ	AN	EQ		A	Switch	スイッチ
4	DHAi-2098FCZZ	AS	EZ		C	Main switch harness	(SF-2035H) メインスイッチハーネスH
	DHAi-2059FCZZ	AR	EZ		C	Main switch harness	メインスイッチハーネス
5	XBPSD40P30000	AA	DD		Y	Screw (4×30)	ビス
6	LDAiU0453FCZZ	AU	FQ		C	Fan fixing base	ファンドリツケダイ
7	VHPGP1A22LC-1	AK	EB		A	Photo sensor (GP1A22LC)	フォトセンサー
8	XBPSD40P12000	AA	DD		Y	Screw (4×12)	ビス
9	MSPRT1983FCZZ	AB	DD		A	Upper pawl lever spring	ウエツメレバースプリング
10	LX-BZ0669FCZZ	AC	DD		B	Screw	ビス
11	MLEVP0605FCZZ	AD	DJ		B	Upper pawl plate lever	ウエツメバンレバー
12	LRALM0095FCZZ	AX	FX		C	Drawer rain left	ヒキダシレール ヒダリ
13	JHNDM0069FCZZ	AH	DX		C	Base plate handle	ダイバントッテ
14	LX-BZ0503FCZZ	AA	DD		B	Screw	ビス
15	CPLTM4179FC02	AP	EQ	N	C	F frame L sub plate	FフレームLホキョウイタ
16	LPLTG2539FCZZ	AD	DJ		C	Rubber plate	ゴムイタ
17	PGUMS0182FCZZ	AC	DJ		A	Rubber foot	ゴムアシ
18	LX-BZ0667FCZZ	AB	DD		B	Screw	ビス
19	LPLTM4115FCZZ	AK	EB		C	Front cover fixing plate	フロントカバートリツケイタ
20	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
21	XBPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
22	PMAGT0072FCZZ	AF	DS		C	Magnet catch	マグネットキャッチ
23	LPLTM4180FCZZ	AE	DS		C	MG catch fixing plate	MGキャッチトリツケイタ
24	PCOVP1143FCZZ	AE	DJ		C	Base plate cover	ダイバンカバー
25	XHBSE40P10000	AA	DD		Y	Screw (4×10)	ビス
26	LHLDZ1077FCZZ	AK	EB		C	Waste toner holder	ハイトナーホルダー
27	MSPRT2020FCZZ	AB	DD		A	Waste toner spring	ハイトナースプリング
28	LPLTM4116FCZZ	AC	DD		C	HT sp adjusting plate	HT SPチョウセイイタ
29	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	ビス
30	LX-BZ0674FCZZ	AC	DD		B	Screw	ビス
31	MARMM0153FCZZ	AD	DJ		C	Toner box arm	ハイトナーボックスアーム
32	MLEVF0610FCZZ	AF	DS		C	Toner box lever	ハイトナーボックスカイジョレバー
33	LX-BZ0672FCZZ	AC	DD		B	Screw	ビス
34	LX-BZ0673FCZZ	AC	DJ		B	Screw	ビス
35	LX-WZ0117FCZZ	AB	DD		B	Washer (T05)	ポリスライダー
36	LX-WZ0323FCZZ	AB	DD		B	Washer	ハイトナーレバーワッシャ
37	XEBSD40P06000	AA	DD	N	Y	Screw (4×6)	ビス
38	MSPRC2016FCZZ	AC	DJ		A	Waste toner up spring	ハイトナーUPスプリング
39	JHNDP0096FCGZ	AD	DJ		C	Lever handle	レバートッテ
40	NBRGC0380FCZZ	AC	DD		B	Bearing	ジクウケ
41	MSPRT2003FCZZ	AB	DD		A	Lever spring	レバースプリング
42	PMLT-0665FCZZ	AA	DD		A	Bottle cushion	ボトルキョウカザイ
43	MSLi-0110FCZZ	AA	DD		C	Slider,Waste toner holder	ハイトナーホルダーヨウスライダー
44	LX-BZ0140FCZZ	AB	DD		B	Screw	ビス
45	XRESP50-06000	AA	DD		Y	E type ring	Eリング
46	PSHEP3253FCZZ	AA	DD		A	Fixing sheet L	キョウカザイオサエマイラー L
47	PSHEP3254FCZZ	AA	DD		A	Fixing sheet R	キョウカザイオサエマイラー R
48	PMLT-0883FCZZ	AS	FG		A	Base plate worm (Japan only)	ダイバンショウオンフォーム
51	PGiDH1384FCZZ	AF	DX		C	Guide plate right	ガイドバン ミギ
52	PSHEP3233FCZZ	AB	DD		A	Fan sheet	ファンマイラー
53	LX-BZ0222FCZZ	AA	DD		B	Screw	ビス
54	PMLT-0880FCZZ	AE	DD		A	Fan cushion	ファンモルト
55	PGiDH1385FCZZ	AE	DS		C	Guide plate left	ガイドバン ヒダリ
56	PFiLZ0191FCZZ	AH	DX		A	Ozone filter	オゾンフィルター
57	PGiDH1383FCZZ	AH	DX		C	O/F guide	O/F ガイド

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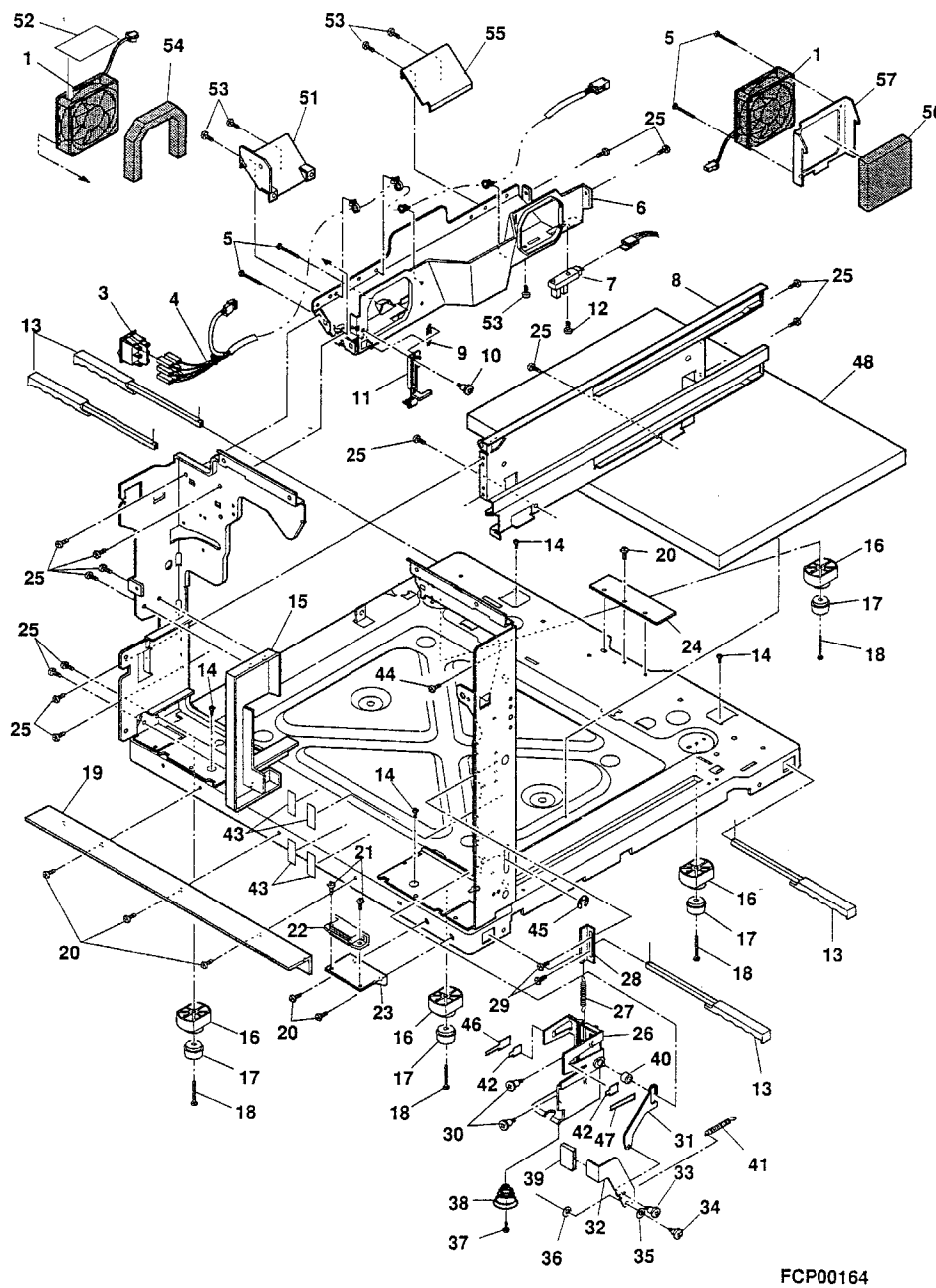
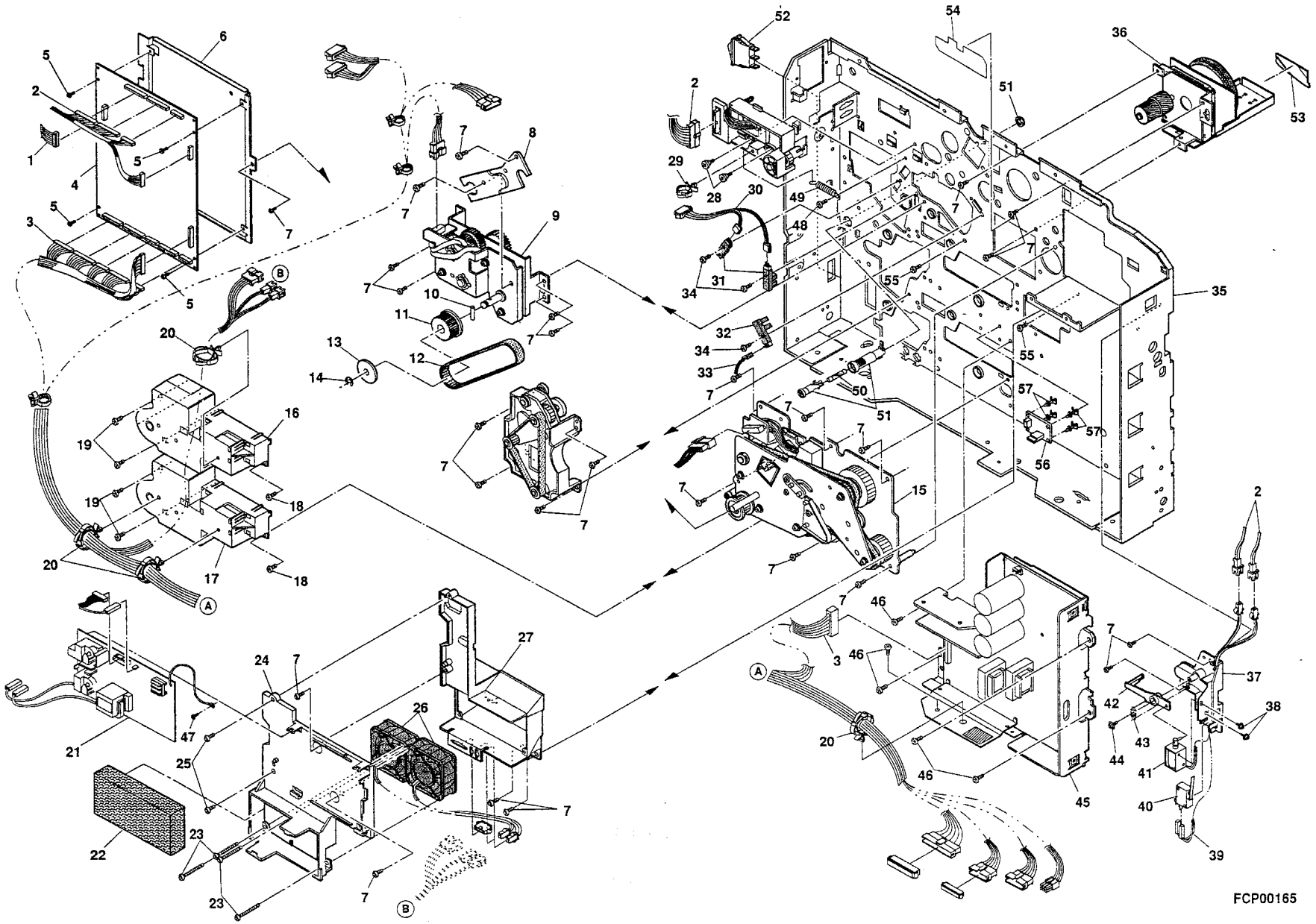
8 前フレーム(Front frame)



SF2035

9 後フレーム(Rear frame)

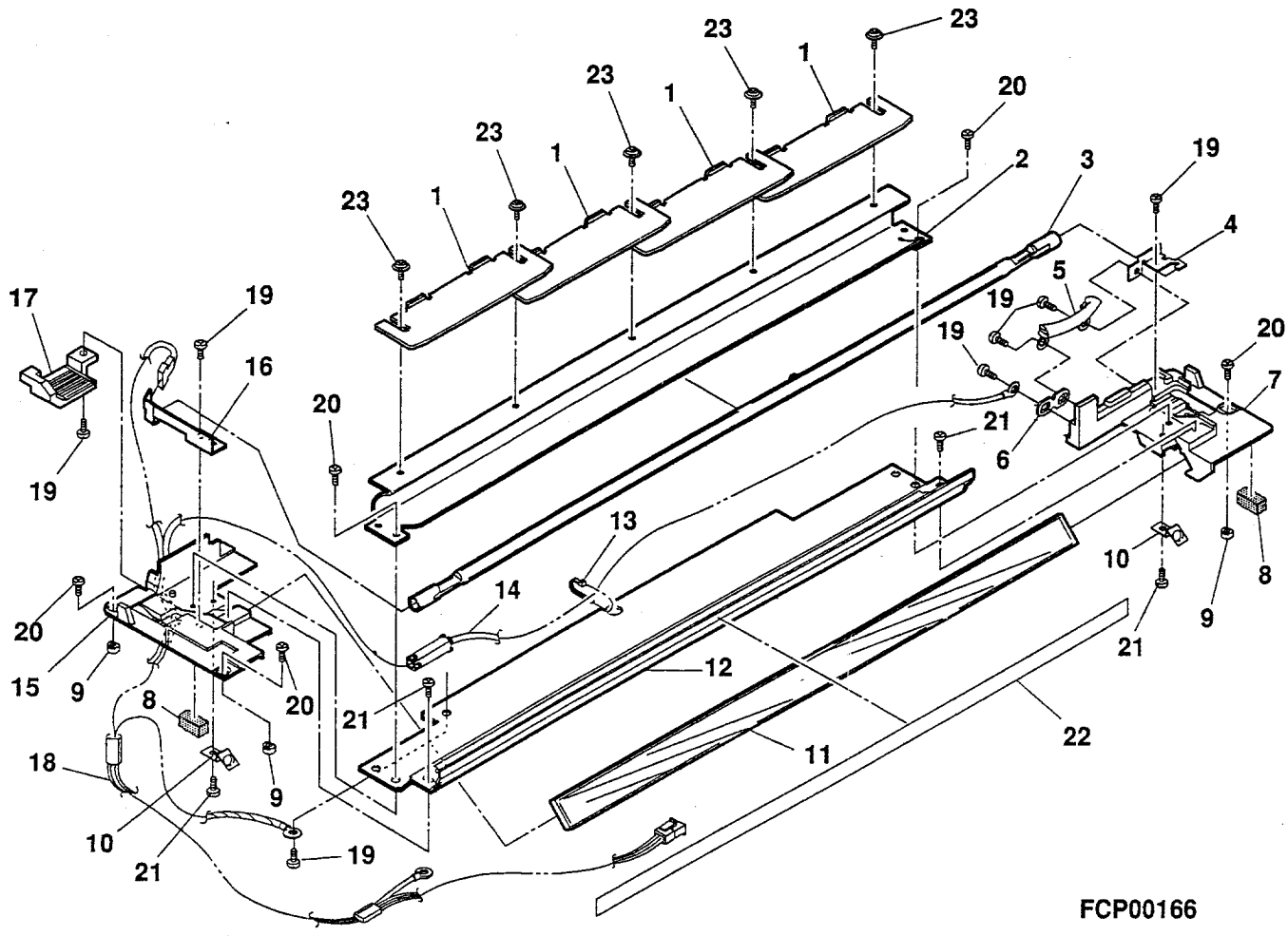


9 後フレーム(Rear frame)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi-2121FCZZ	AV	FG	N	C	Operation main harness	ソウサメインカンハーネス
2	DHAi-2126FCZZ	BH	HC	N	C	Optical main harness	コウガクメインハーネス
3	DHAi-2120FCZZ	BM	LE	N	C	Lower unit main harness	シタユニットメインハーネス
	DHAi-2125FCZZ	BN	LP	N	C	Lower unit main harness H	(SF-2035H) シタユニットメインハーネスH
4	CPWBN0968FC51	CC	UB	N	E	Main PWB	メインキバン
5	XBPSD40P06K00	AA	DD		Y	Screw (4×6K)	ビス
6	LPLTM4030FCZZ	AM	EG		C	Main PWB fixing plate	メインキバントリツケイタ
7	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
8	LPLTM4113FCZZ	AF	DS		C	Drive reinforce plate	クドウホキョウバン
9	CFRM-0792FC31	BL	HV	N	E	Paper feed speed change frame unit	キュウシヘンソクフレームユニット
10	LPiNS0155FCZZ	AA	DD		B	Pin (φ3×10)	ヘイコウピン
11	NPLYZ0258FCZZ	AC	DJ		A	Pulley 30P-B	プーリー30P-B
12	NBLTH0182FCZZ	AH	DX		A	Drive belt B	クドウベルトB
13	PCLR-0367FCZZ	AC	DD		B	Pulley	プーリーカラー
14	XRESP70-08000	AA	DD		Y	E type ring	Eリング
15	DUNTM6599FCZZ	BQ	LX	N	E	Main drive unit	メインクドウユニット
16	DUNTM6554FCZZ	BF	HG		E	Lift up unit	リフトアップユニット
17	DUNTM6554FCZZ	BF	HG		E	Lift up unit (Japan,Taiwan)	リフトアップユニット
18	XBBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
19	XBBSD40P30000	AA	DD		Y	Screw (4×30)	ビス
20	LHLDW1010FCZZ	AB	DD		C	Wire holder (X20-4.8)	ツイストバンド
⚠ 21	RTRNZ0476FCZZ	BU	RB	N	B	High voltage transformer unit	コウアツトランスユニット
22	PFiLD0203FCZZ	BA	GD	N	A	Ozone filter	オゾンフィルター
23	XEPSD40P35000	AA	DD		Y	Screw (4×35)	ビス
24	PDUC-0056FCZ1	AK	EB		C	Suction duct upper	サクションダクト ウエ
25	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
26	RMOTE0700FCZZ	AX	FX		B	Suction fan	サクションファン
27	PDUC-0057FCZZ	AL	EB		C	Suction duct lower	サクションダクト シタ
28	LX-BZ0414FCZZ	AB	DD		B	Screw	ビス
29	LHLDW1118FCZZ	AA	DD		C	Wire holder (X-6-4)	ツイストバンド
30	DHAi-2071FCZZ	AH	DX		C	PPD1.2 interface harness	PPD1.2チュウケイハーネス
31	VHPGP1A22LC-1	AK	EB		A	Photo sensor (GP1A22LC)	フォトセンサー
32	VHPGP3A38//-1	AH	DX		A	Photo transistor (GP3A38)	フォトトランジスター
33	DHAi-2070FCZZ	AK	EB		C	PSD interface harness	PSDチュウケイハーネス
34	XBPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
35	LFRM-0736FCZ1	BF	GT	N	C	Rear frame	ウシロフレーム
36	RMOTP0721FCZZ	BU	NU	N	B	Main motor	メインモーター
37	LPLTM4029FCZZ	AG	DS		C	Solenoid fixing plate	ソレノイドトリツケイタ
38	XBPSD30P06KS0	AA	DD		Y	Screw (3×6KS)	ビス
39	DHAi-2072FCZZ	AE	DS		C	Cassette switch L interface harness	C SW Lチュウケイハーネス
⚠ 40	QSW-M0319FCZZ	AG	DS		A	Door switch (100V series)	ドアースイッチ
⚠	QSW-M0372FCZZ	AH	DX		A	Door switch (200V series)	ドアースイッチ
41	RPLU-0241FCZZ	AM	EG		B	R solenoid	Rソレノイド
42	MLEVP0582FCZZ	AC	DJ		B	Solenoid lever	ソレノイドレバー
43	MSPRT2008FCZZ	AA	DD		A	Lever spring	レバーフッキスプリング
44	XEPSD30P08X00	AA	DD		Y	Screw (3×8X)	ビス
⚠ 45	CPWBF0977FC31	CD	UD	N	E	DC power supply PWB (100V series)	DCデンゲンキバン100
⚠	CPWBF0978FC31	CE	UH	N	E	DC power supply PWB (200V series)	DCデンゲンキバン200
46	XHPSF40P05000	AA	DD	N	Y	Screw (4×5)	ビス
47	XBPBZ40P06K00	AA	DD		Y	Screw (4×6K)	ビス
48	LX-BZ0659FCZZ	AB	DD		B	Screw	ビス
49	MSPRT0925FCZZ	AB	DD		A	PF jum release spring	PFジャムカイジョスプリング
⚠ 50	QFS-D2002WCZZ	AB	DD		A	Fuse (SF-2035H)	ヒューズ
51	QFSHB0023FCZZ	AK	EB		C	Fuse holder (SF-2035H)	ヒューズホルダー
52	QSW-C1060QCZZ	AT	FG		A	Switch (SF-2035H)	スイッチ
53	PSHEP3220FCZZ	AC	DJ		A	Motor cover sheet (Japan,U,Kingdom)	モーターカバーマイラー
54	PSHEP3347FCZZ	AD	DJ	N	A	Frame sheet	フレームシート
55	LX-BZ0676FCZZ	AA	DD		B	Screw (4×10)(Blue)	ビス
56	CPWBF1001FC51	AR	EZ	N	E	Mirror power supply PWB	ミラーデンゲンキバン
57	LSUPP0002FCZZ	AC	DD		C	PWB supporter (LCBS-6N)	キバンサポーター

10 コピーランプユニット(Copy lamp unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LPLTM4124FCZZ	AC	DJ		C	Control plate	チョウコウバン
2	PREFL0145FCZZ	AT	FG		C	Main reflector	リフレクター
⚠ 3	RLMPU0494FCZZ	BB	GN		S	Copy lamp (100V series)	コピーランプ
⚠	RLMPU0495FCZZ	BC	GN		S	Copy lamp (200V series)	コピーランプ
4	MSPRP1976FCZZ	AD	DJ		A	Lamp spring F	ランプバネF
⚠ 5	CFS-T0095FC31	AK	EB		A	Temperature fuse	オンドヒューズ
6	LPLTM4123FCZZ	AB	DD		C	Terminal plate	タンシバン
7	LPLTP4121FCZZ	AN	EG		C	Side plate F	ソクバンF
8	PCUSU0203FCZZ	AE	DS		A	Cushion	ボウシンクッション
9	CSLi-0103FC31	AF	DS		C	Slider (4pcs/set)	スベリザイ(X4)
10	MSPRP1591FCZZ	AC	DD		A	Mirror spring	ミラーバネ
11	PMiR-0076FCZZ	AP	EQ		C	1st mirror	ダイ1ミラー
12	CDAiU0459FC01	AP	EQ		C	Base plate	キダイ
13	LBNDJ0013FCZZ	AA	DD		Y	Wire fixing band	ケッソクバンド
14	DHAi-2067FCZZ	AV	FQ		C	Optical harness	コウガクハーネス
15	LPLTP4122FCZZ	AN	EG		C	Side plate R	ソクバンR
16	MSPRP1977FCZZ	AG	DS		A	Lamp spring R	ランプバネR
17	LFiX-0445FCZZ	AD	DJ		C	Harness fixing plate	ハーネスオサエ
18	DHAi-2068FCZZ	AF	DS		C	CL lead harness	CLリードハーネス
19	XHBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
20	XEBSD40P08000	AA	DD		Y	Screw (4×8)	ビス
21	XEBSD30P06000	AA	DD		Y	Screw (3×6)	ビス
22	PSHEZ2401FCZZ	AH	DX		A	Sheet	メイコウボウシスエード
23	LX-BZ0688FCZZ	AB	DD	N	B	Screw	ビス
	ユニット (Unit)						
901	CREFL0145FC33	BP	LP	N	E	Copy lamp unit (100V series)	コピーランプユニット
	CREFL0145FC34	BP	LP	N	E	Copy lamp unit (200V series)	コピーランプユニット



11 第2,3,4,5ミラーホルダーユニット(Mirror holder unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	XRESP70-08000	AA	DD		Y	E type ring	Eリング
2	NPLYZ0167FCZZ	AF	DS		A	Pulley	プーリー
3	LX-BZ0339FCZZ	AA	DD		B	Screw	ビス
4	CSLi-0103FC31	AF	DS		C	Slider (4pcs/set)	スベリザイ(X4)
5	PCUSS0201FCZZ	AA	DD		A	MB-B cushion	MB-Bヨウクッション
6	PMiR-0100FCZZ	AU	FQ		C	2nd mirror	ダイ2ミラー
7	PMiR-0101FCZZ	AZ	GD		C	3nd mirror	ダイ3ミラー
8	PSHEZ3184FCZZ	AD	DJ		A	2,3 Mirror holder sheet	ダイ2,3ミラーホルダーシート
9	LFiX-0438FCZZ	AD	DJ		C	Mirror fixing plate F	ミラーオサエF
10	LFiX-0439FCZZ	AC	DD		C	Mirror fixing plate R	ミラーオサエR
11	LFiX-0284FCZZ	AC	DD		C	4th 5th mirror holder F	ダイ4,5ミラーオサエ F
21	LX-BZ0654FCZZ	AG	DS		B	Screw	ビス
22	PCLR-0374FCZZ	AC	DD		C	4th 5th mirror collar	4,5ミラーコロ
23	XRESP70-08000	AA	DD		Y	E type ring	Eリング
24	PMiR-0102FCZZ	AX	FX		C	4th mirror	ダイ4ミラー
25	PMiR-0103FCZZ	AR	EZ		C	5th mirror	ダイ5ミラー
26	LX-WZ0050FCZZ	AA	DD		B	Washer	ナミワッシャ
27	LX-WZ0134FCZZ	AA	DD		B	Washer	ワッシャ
28	XNESD40-32000	AA	DD		Y	Nut	ナット
29	LFiX-0284FCZZ	AC	DD		C	4th 5th mirror holder F	ダイ4,5ミラーオサエ F
30	LHLDZ1100FCZZ	AQ	EZ		C	4th 5th mirror holder	4/5ミラーホルダー
31	LHLDZ1087FCZZ	AH	DX		C	4th 5th drive holder	4/5クドウホルダー
32	NSFTZ1762FCZZ	AF	DS		C	4th 5th drive shaft	4/5クドウジク
33	XBPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
34	XEPSD30P05000	AA	DD		Y	Screw (3×5)	ビス
35	MSPRT0842FCZZ	AC	DD		A	Cassette guide spring	カセットガイド スプリング
36	PSHEZ3133FCZZ	AB	DD		A	4th 5th shield sheet F	4/5シャコウシートF
37	PSHEZ3134FCZZ	AC	DD		A	4th 5th shield sheet R	4/5シャコウシートR
38	RMOTP0697FCZZ	AV	FQ		B	Mirror base motor	ミラーベースモーター
39	LX-BZ0335FCZZ	AA	DD		B	Screw (4×6)(Red)	ビス
40	LPLTM4051FCZZ	AB	DD		C	4th,5th drive adjusting plate	4/5クドウチョウセイイタ
41	LPLTP4024FCZZ	AN	EQ		C	4th 5th motor fixing plate	4/5モータートリツケイタ
42	DHAi-2039FCZZ	AU	FQ		C	Optical harness	コウガクナイブハーネス
43	CPWBF0941FC31	AS	FG		E	AE sensor PWB	AEセンサーキバン
44	NPLYZ0262FCZZ	AF	DS		A	Lens drive pulley	レンズクドウプーリー
45	MSPRC1289FCZZ	AA	DD		A	Drive wire spring	クドウワイヤースプリング
46	PWiR-0146FCZZ	AK	EB		A	Mirror drive wire	ミラークドウワイヤー
47	NPLYZ0263FCZZ	AB	DD		A	S idle pulley	Sアイドルプーリー
48	VHPGP1A71A1-1	AG	DX		A	Photo transistor (GP1A71A1)	フォトトランジスター
49	NBRGC0455FCZZ	AC	DD		B	4th 5th drive hold bearing(large)	4/5クドウウケベアリング(ダイ)
50	NBRGC0456FCZZ	AB	DD		B	4th 5th drive hold bearing(small)	4/5クドウウケベアリング(ショウ)
51	LX-WZ0213FCZZ	AA	DD		B	Washer	ワッシャ
52	PSHEP3246FCZZ	AE	DS		A	4th mirror sheet	ダイ4ミラーシート

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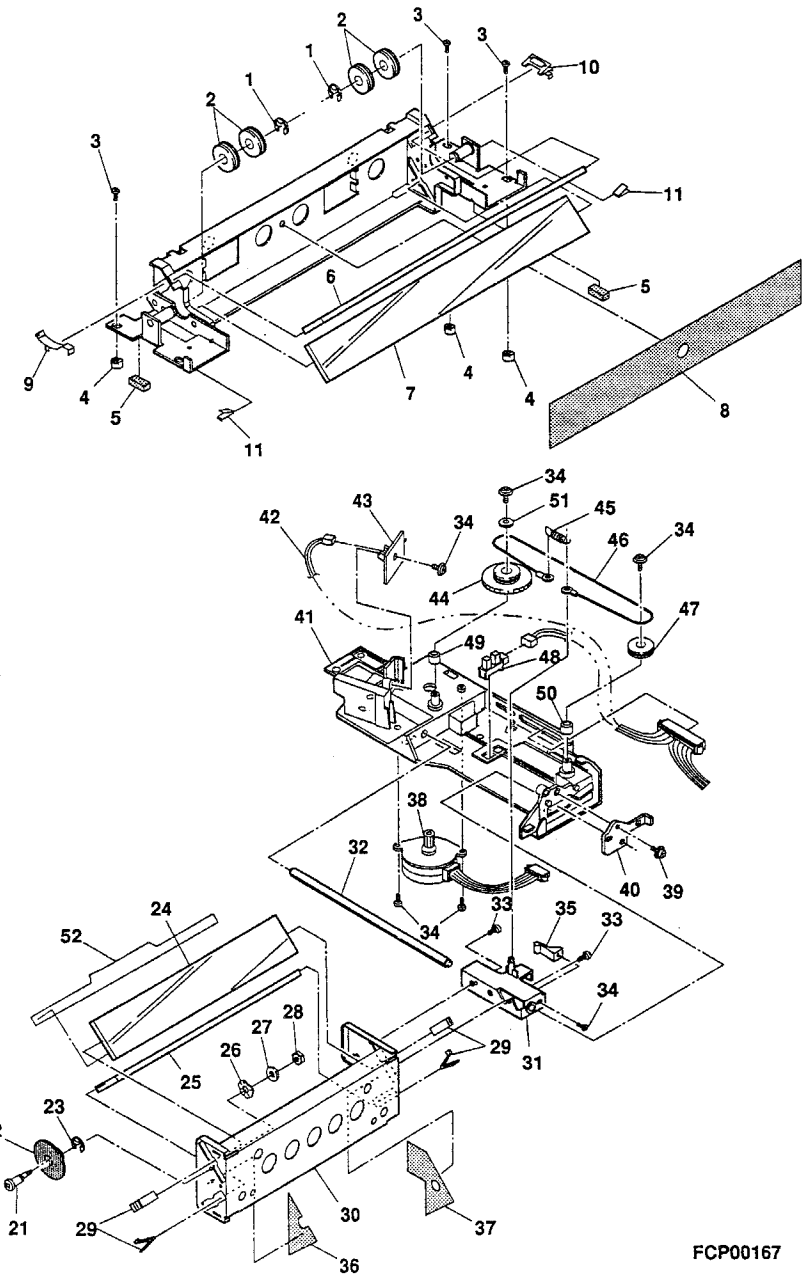
11 第2,3,4,5ミラーホルダーユニット(Mirror holder unit)



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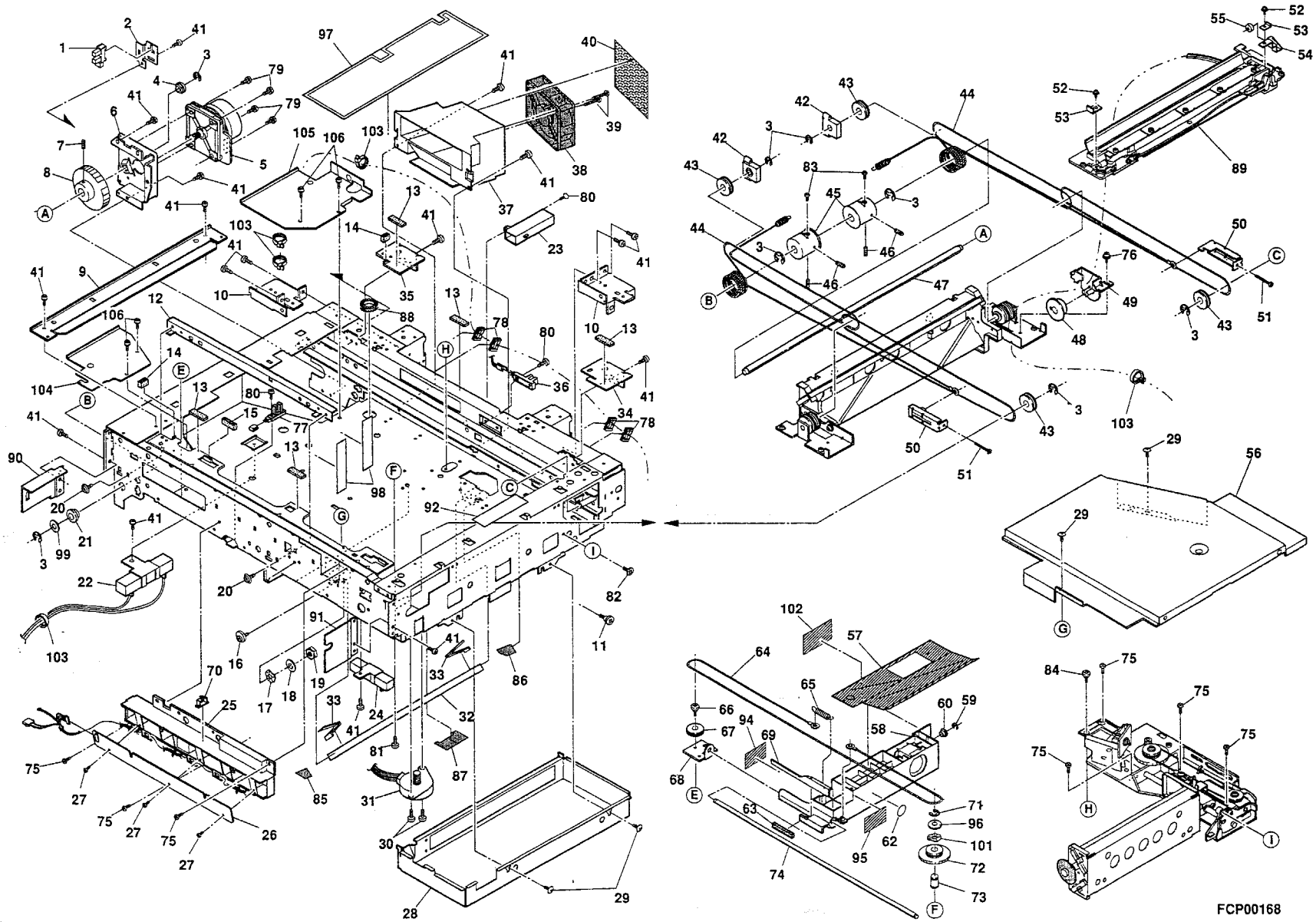
12 光学ユニット(Optical unit)



12 光学ユニット(Optical unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	VHPGP3A39//-1	AH	DX		A	Photo transistor (GP3A39)	フォトトランジスター
2	LPLTM4052FCZZ	AB	DD		C	MHP fixing plate	MHPコテイバン
3	XRESP70-08000	AA	DD		Y	E type ring	Eリング
4	NBRGC0387FCZZ	AB	DD		B	Bearing	ベアリング
5	RMOTP0722FCZZ	BK	HL	N	B	Mirror motor	ミラーモーター
6	LPLTM4053FCZZ	AK	EB		C	Mirror motor fixing plate	ミラーモータートリツケイタ
7	XXSSP40L04000	AA	DD		Y	Screw (4×4)	ムシビス
8	NGERH0944FCZZ	AP	EQ	N	A	Winder drive shaft gear	マキトリクドウジクギヤ
9	CPLTM4048FC01	AR	EQ	N	C	Tip sheet fixing plate	センタンシートトリツケイタ
10	LPLTM4109FCZZ	AE	DS		C	Rear exterior fixing plate	ウシロキャヒトリツケイタ
11	LX-BZ0266FCZZ	AB	DD		B	Screw	ビス
12	LRALM0101FCZ1	AM	EQ	N	C	MB-B rail	MB-Bレール
13	PGUMS0228FCZZ	AA	DD		A	Table glass rubber	テブルガラスゴム
14	PGUMS0147FCZZ	AA	DD		A	Table glass rubber (small)	テーブルガラスゴム(ショウ)
15	PGUMS0174FCZZ	AB	DD		A	Table glass rubber (large)	テーブルガラスゴム(ダイ)
16	LX-BZ0637FCZZ	AC	DJ		B	Screw (Red)	6ミラーチョウセイビス
17	LX-WZ0057FCZZ	AA	DD		B	Washer	ナミワッシャ
18	XWHSD40-08000	AA	DD		Y	Washer	ワッシャ
19	XNESD40-32000	AA	DD		Y	Nut	ナット
20	LX-BZ0335FCZZ	AA	DD		B	Screw (4×6)(Red)	ビス
21	NBRGC0254FCZZ	AB	DD		B	Delivery roller bearing	ハイシローラーヨウジクウケ
⚠ 22	CR-WZ0417FC02	AU	FQ		C	Dry heater (Japan only)··SF2035H	ジョシツヒーター
⚠ 22	CR-WZ0437FC01	AV	FG	N	C	Dry heater (Japan only)··SF2035	ジョシツヒーター
⚠ 22	CR-WZ0418FC02	AU	FQ		C	Dry heater (100V series··Export)	ジョシツヒーター
⚠ 22	CR-WZ0421FC02	AU	FQ		C	Dry heater (200V series)	ジョシツヒーター
23	PDUC-0062FCZZ	AF	DS		C	MC air duct	MCエアーダクトB
24	CR-WZ0242FC11	AW	FQ		C	Dry heater (Japan only)	ジョシツヒーター
25	LPLTP4025FCZZ	AK	EB		C	ORS PWB fixing plate	ジュコウキバントリツケイタ
26	CPWBF0935FC31	AX	FX		E	ORS light receiving PWB (Japan only)	ORSジュコウキバン]
26	CPWBF0935FC32	AX	FX		E	ORS light receiving PWB (Export)	ORSジュコウキバン
27	XEPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
28	CCOVP1132FC31	AX	FX		E	Dark bok cover lower unit	アンバコカバーシタユニット
29	XBTSF40P04000	AA	DD		Y	Screw (4×4)	ビス
30	XBPSD30P04K00	AA	DD		Y	Screw (3×4K)	ビス
31	RMOTP0696FCZZ	AV	FQ		B	Lens motor	レンズモーター
32	PMiR-0099FCZZ	AS	FG		C	6th mirror	ダイ6ミラー
33	LFiX-0320FCZZ	AB	DD		C	6th mirror fixing plate	ダイ6ミラーオサエ
34	LPLTM4046FCZZ	AD	DJ		C	Glass holding plate R	ガラスウケイタR
35	LPLTM4047FCZZ	AD	DJ		C	Glass holding plate L	ガラスウケイタL
36	VHPGP1A22LC-1	AK	EB		A	Photo transistor (GP1A22LC)	フォトトランジスター
37	PDUC-0061FCZZ	AM	EG		C	CFM duct	CFMダクト
38	RMOTE0630FCZZ	AW	FX		B	Main motor(cooling)	メインモーター(レイキャク)
39	XEPSD40P30000	AA	DD		Y	Screw (4×30)	ビス
40	PFiLD0186FCZZ	AF	DS		A	Fan filter	ファンフィルター
41	XBPSD40P06K00	AA	DD		Y	Screw (4×6K)	ビス
42	PGiDM1343FCZZ	AC	DJ		C	Wire guide	ワイヤーガイド
43	NPLYZ0167FCZZ	AF	DS		A	Pulley	プーリー
44	PWiR-0147FCZZ	AP	EQ		A	MB drive wire	MBクドウワイヤー
45	NPLYZ0172FCZ1	AL	EB		A	Winder pulley DN	マキトリプーリーDN
46	LX-BZ0049FCZZ	AB	DD		B	Screw (4×6)	ビス
47	NSFTZ1763FCZZ	AR	EZ		C	Winder drive shaft	マキトリクドウジク
48	NPLYZ0181FCZZ	AB	DD		A	CL pulley	CLプーリー
49	LHLDZ1086FCZZ	AD	DJ		C	CL lead holder	CLリードホルダー
50	LPLTM4050FCZZ	AD	DJ		C	Wire adjusting plate	ワイヤーチョウセイバン
51	XBPSD40P25000	AA	DD		Y	Screw (4×25)	ビス
52	XBPSD40P12KS0	AA	DD		Y	Screw (4×12KS)	ビス
53	LPLTM4054FCZZ	AB	DD		C	Wire fixing plate	ワイヤーコテイバン
54	LHLDZ1098FCZZ	AD	DJ		C	Dustproof collar holder	ボウジンコロホルダー
55	PCLR-0368FCZZ	AB	DD		B	Dustproof collar	ボウジンコロ
56	PCOVP1131FCZZ	AT	FG		C	Dark box cover upper	アンバコカバーウエ
57	PSHEZ3132FCZZ	AG	DX		A	Lens upper sheet	レンズウエシート
58	PLNS-0047FCZZ	BQ	LX	N	C	Lens	レンズ
59	XRESP30-04000	AA	DD		Y	E type ring	Eリング
60	NBRGC2029SCZZ	AB	DD		B	Bearing (F3×6×4.7×1)	ベアリング
62	PSHEP2335FCZZ	AA	DD		A	Shield sheet	ヒカリジクシャコウシート
63	PSHEG2817FCZ1	AC	DJ		A	Lens lock sheet	レンズロックシート
64	PWiR-0145FCZZ	AM	EG		A	Lens drive wire	レンズクドウワイヤー
65	MSPRC1289FCZZ	AA	DD		A	Drive wire spring	クドウワイヤースプリング
66	LX-BZ0660FCZZ	AC	DJ		B	Screw	ビス
67	NPLYZ0263FCZZ	AB	DD		A	S idle pulley	Sアイドルプーリー
68	LPLTM4049FCZZ	AC	DJ		C	Lens drive shaft plate	レンズクドウジクイタ
69	LPLTM4428FCZZ	AF	DX	N	C	LHP control plate	LHPケンシュツバン
70	LHLDW2133SCZZ	AC	DD		C	Wire holder (LWS-1M)	ロッキングワイヤーホルダー
71	LX-WZ0077FCZZ	AA	DD		B	G type ring	Gリング
72	NPLYZ0262FCZZ	AF	DS		A	Lens drive pulley	レンズクドウプーリー
73	LBOSZ1410FCZZ	AE	DS		C	Lens drive pulley boss	LNSクドウプーリーボス
74	NSFTZ1761FCZZ	AN	EG		C	Lens drive shaft	レンズクドウジク
75	XBPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
76	XBPSD40P06KS0	AA	DD		Y	Screw (4×6KS)	ビス
77	VHPGP1A71A1-1	AG	DX		A	Photo transistor (GP1A71A1)	フォトトランジスター

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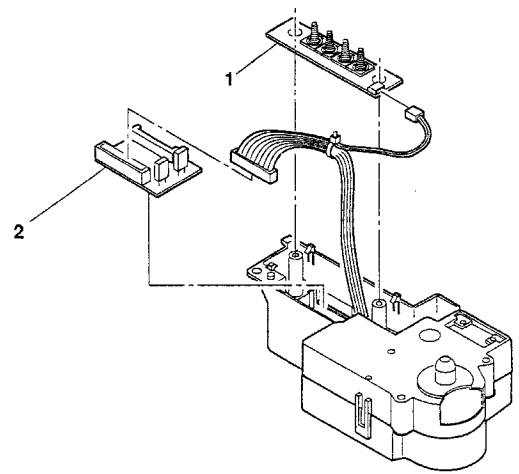
12 光学ユニット(Optical unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
78	PHOG-0385FCZZ	AB	DD		C	Harness clamp	ハーネスクランプ
79	XBPSD40P12K00	AA	DD		Y	Screw (4×12K)	ビス
80	XBBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
81	XBPSD30P06KS0	AA	DD		Y	Screw (3×6K)	ビス
82	LX-BZ0586FCZZ	AA	DD		B	Screw	ビス
83	LX-BZ0324FCZZ	AA	DD		B	Screw	ビス
84	LX-BZ0266FCZZ	AB	DD		B	Screw	ビス
85	PSHEZ3182FCZZ	AA	DD		A	Reflector sheet F	ハンシャボウシンシート F
86	PSHEZ3183FCZZ	AA	DD		A	Reflector sheet R	ハンシャボウシンシート R
87	PSHEZ3142FCZZ	AB	DD		A	6th mirror shield sheet	ダイ6ミラシャコウシート
88	LBSHC0247FCZZ	AB	DD		C	Bushing (SG-12)	DVヨウブッシング
89	CREFL0145FC33	BP	LP	N	E	Copy lamp unit (100V series)	コピーランプユニット
89	CREFL0145FC34	BP	LP	N	E	Copy lamp unit (200V series)	コピーランプユニット
90	LPLTM4153FCZZ	AD	DJ		C	Panel hold plate left	パネルシジバン ヒダリ
91	LPLTM4154FCZZ	AC	DJ		C	Panel hold plate right	パネルシジバン ミギ
92	TCAUH0941FCZZ	AB	DD		C	Service caution label (U,Kingdom only)	サービスチュウイラベル
94	PSHEF3245FCZZ	AC	DD		A	Lens sheild sheet front	レンズシャコウシート マエ
95	PSHEF3244FCZZ	AC	DD		A	Lens sheild sheet rear	レンズシャコウシート アト
96	LX-WZ0053FCZZ	AA	DD		B	Washer	ワッシャ
97	PSHEP3363FCZZ	AP	EQ	N	A	Optical base shield sheet	コウガクダイバンシールドシート
98	PCUSS0276FCZZ	AC	DD		A	MB cushion	MBクッション
99	LX-WZ0009FCZZ	AB	DD		B	Washer	ワッシャ
100	PSHEP3247FCZZ	AD	DJ		A	Guide rail sheet	ガイドレールマイラー
101	LX-WZ0017FCZZ	AA	DD		B	Washer	ワッシャ
102	PSHEP3326FCZZ	AC	DJ	N	A	Lens sheild sheet side	レンズシャコウシート ヨコ
103	LBNDJ0014FCZZ	AB	DD	-	Y	Wire band	ケッソクバンド
104	PSLD-0173FCZZ	AE	DS	N	C	Fan shield F	ファンシールド F
105	PSLD-0174FCZZ	AE	DS	N	C	Fan shield R	ファンシールド R
106	XBTSF40P06000	AA	DD		Y	Screw (4×6)	ビス

13 リフトアップユニット(Lift up unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	CPWBF0936FC31	AP	EQ		E	Cassette size sensor PWB 1,2	カセットサイズケンチキバン 1,2
2	CPWBF0940FC31	AS	FG		E	Lift up motor PWB	リフトUPモーターキバン
	ユニット (Unit)						
901	DUNTM6554FCZZ	BF	HG		E	Lift up unit	リフトアップユニット

13 リフトアップユニット(Lift up unit)



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14 現像ユニット(Developing unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	NRŌLP0919FCZZ	AM	EG		C	Roller S	ローラー S
2	PRNGP0050FCZZ	AE	DS		A	V ring (ϕ6)	Vリング
3	NRŌLP0984FCZZ	AK	EB	N	C	Roller MX	ローラー MX
4	LPLTM4111FCZZ	AT	FG		C	Plate DC	プレート DC
5	XUBSD30P05000	AA	DD		Y	Screw (3×5)	ビス
6	RDTCM0105FCZZ	AY	FQ	N	A	ATC	ATC
7	NBRGC0136FCZZ	AC	DD		B	Toner box bearing (ϕ6)	トナーボックスヨウ ジクウケ
8	XRESP50-06000	AA	DD		Y	E type ring	Eリング
9	XBBSD40P18000	AA	DD		Y	Screw (4×18)	ビス
10	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	ビス
11	LPLTM4112FCZZ	AC	DD		C	Plate PP	プレート PP
12	PCLR-0385FCZZ	AH	EB	N	C	DSD collar	DSDカラー
13	XRESP70-08000	AA	DD		Y	E type ring	Eリング
14	LHLDZ1105FCZZ	AC	DJ		C	Holder MF	ホルダー MF
15	CBŌX-0089FC01	AX	FX		C	Box D	BOX D
16	PRNGP0022FCZZ	AA	DD		A	C ring (G-8)	Cリング
17	PRNGP0013FCZZ	AK	EB		A	V ring (ϕ8)	Vリング
18	NRŌLM0915FCZZ	BG	HL		C	Magnet roller	MGローラー
19	LHLDZ1104FCZZ	AC	DJ		C	Holder MR	ホルダー MR
20	NBRGC0140FCZZ	AD	DJ		B	Bearing (ϕ8)	ベアリング
21	NGERH0947FCZZ	AD	DJ	N	A	Gear D1 23T	ギヤD1 23T
22	XBPSD30P08KS0	AA	DD		Y	Screw (3×8KS)	ビス
23	CGERH0948FC01	AF	DX	N	A	Gear AD1 (21/27T)	ギヤAD1
24	NGERH0880FCZZ	AC	DJ		A	Gear D2 42T	ギヤD2 42T
26	CGERH0883FC01	AE	DS		A	Gear AD2 (24T)	ギヤAD2
27	NGERH0881FCZZ	AC	DD		A	Gear D3 24T	ギヤD3 24T
28	XEBSF30P10000	AA	DD		Y	Screw (3×10)	ビス
29	DHAi-2214FCZZ	AV	FG	N	C	DV harness(black)	DVハーネス クロ
30	LSTPF0262FCZZ	AC	DD		C	Stopper DV	ストッパー DV
31	LX-BZ0529FCZZ	AA	DD		B	Screw	ビス
32	PSEL-0493FCZZ	AB	DD		A	Seal MG	シール MG
33	PSHEP3206FCZZ	AB	DD		A	Sheet DR	シート DR
34	PSHEP3205FCZZ	AB	DD		A	Sheet DF	シート DF
35	PSEL-0500FCZZ	AA	DD		A	Seal BD A	シール BD A
36	PSEL-0501FCZZ	AA	DD		A	Seal BD B	シール BD B
37	PSHEP3188FCZZ	AC	DJ		A	Sheet DV A	シート DV A
39	NRŌLP0961FCZZ	AM	EG		C	Roller S V	ローラー S V
40	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
	ユニット (Unit)						
901	CBŌX-0089FC56	BW	TF	N	E	DV unit(black)	ゲンゾウユニット クロ

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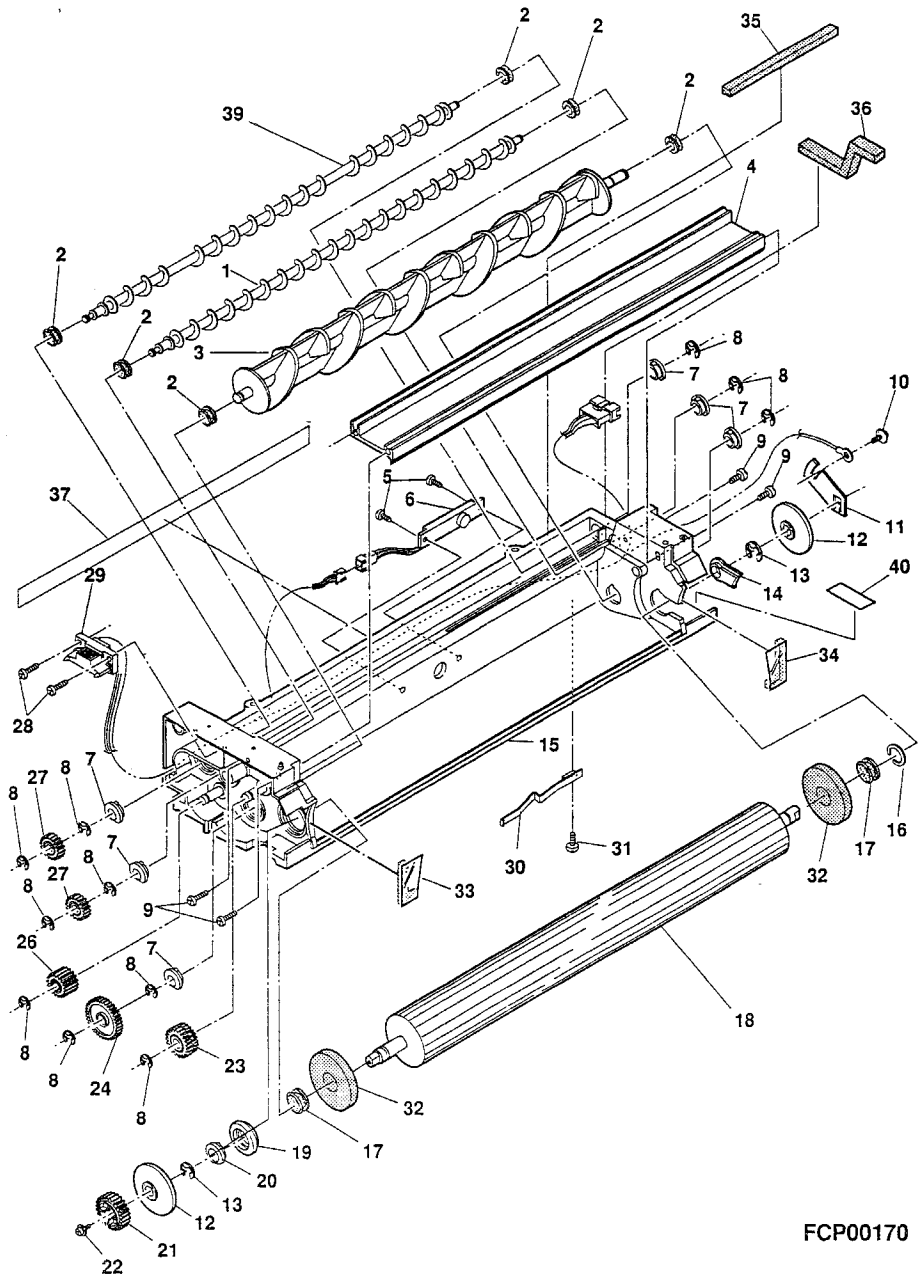
14 現像ユニット(Developing unit)



15 トナーホッパーユニット(Toner hopper unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	PCOVP1140FCZZ	AE	DS		C	Cover TC	カバーTC
2	MARMP0151FCZZ	AB	DD		C	Lock arm	ロックアーム
3	PCOVP1139FCZZ	AF	DS		C	Cover TB	カバーTB
4	LX-BZ0529FCZZ	AA	DD		B	Screw	ビス
5	MLEVP0603FCZZ	AH	DX		C	Lever TC	レバーTC
6	XBBSD40P08000	AA	DD		Y	Screw (4×8)	ビス
7	PSEL-0495FCZZ	AB	DD		A	Seal TA-R	シールTA-R
8	PSEL-0506FCZZ	AA	DD		A	Seal TA-C	シールTA-C
9	UCLEZ0123FCZZ	AF	DS		S	OV blade	DVブレード
10	PSEL-0498FCZZ	AC	DD		A	Seal TH-L	シールTH-L
11	PSEL-0505FCZZ	AB	DD		A	Seal TA-F	シールTA-F
12	PSEL-0496FCZZ	AD	DJ		A	Seal TA-L	シールTA-L
13	PSEL-0494FCZZ	AB	DD		A	Seal TA-H	シールTA-H
14	PCOVP1138FCZZ	AU	FQ		C	Cover TA	カバーTA
15	LX-WZ0064FCZZ	AA	DD		B	Push nut (φ3)	プッシュナット
16	LSTPP0256FCZZ	AB	DD		C	Stopper T	ストッパーT
17	MSPRC2015FCZZ	AA	DD		A	Spring TA	スプリングTA
18	PRNGP0025FCZZ	AA	DD		A	G ring (GTW-5)	G リング
19	JHNDP0109FCZZ	AD	DJ		C	Handle TH	ハンドルTH
20	LX-WZ0225FCZZ	AA	DD		B	Washer (φ5-φ16)	ワッシャ
21	XUBSD30P05000	AA	DD		Y	Screw (3×5)	ビス
22	XRESP40-06000	AA	DD		Y	E Type ring	Eリング
23	NBRGP0299FCZZ	AC	DJ		B	DV bearing	DVジクウケ
24	PCOVP1141FCZZ	AC	DD		C	Cover TD	カバーTD
25	NSFTZ1803FCZZ	AE	DS		C	Shaft TB	シャフトTB
26	PSEL-0508FCZZ	AB	DD		A	Seal TH R-B	シールTH R-B
27	PSEL-0507FCZZ	AD	DJ		A	Seal TH R-A	シールTH R-A
30	MSPRT2005FCZZ	AC	DD		A	Toner spring	トナーカクハンスプリング
31	NSFTZ1802FCZZ	AC	DD		C	Shaft TA	シャフトTA
32	PSHEP3191FCZZ	AC	DD		A	Sheet TA	シート TA
33	LHLDW1119FCZZ	AA	DD		C	Holder	ハネリフターホルダー 28クロ
34	NGERH0884FCZZ	AC	DD		A	Gear TA	ギヤTA
35	NGERH0886FCZZ	AC	DD		A	Gear TC	ギヤTC
36	RMOTD0738FCZZ	AY	FQ	N	B	Toner motor	トナーモーター
37	NGERH0885FCZZ	AC	DD		A	Gear TB	ギヤTB
38	XEBSF30P08000	AA	DD		Y	Screw (3×8)	ビス
39	PBOX-0090FCZZ	AP	EQ		C	Box TH	BOX TH
40	PSEL-0504FCZZ	AB	DD		A	Seal TH L/R	シールTH L/R
41	PSEL-0502FCZZ	AD	DJ		A	Seal TH-F	シールTH-F
42	PSEL-0503FCZZ	AE	DJ		A	Seal TH-R	シールTH-R
43	TLABZ3255FCZZ	AB	DD		C	DV instruction label	DVトリアツカイセツメイラベル
44	PSEL-0510FCZZ	AA	DD		A	Seal THA	シール THA
45	PSEL-0512FCZZ	AA	DD		A	Seal THC	シール THC
46	PSEL-0511FCZZ	AA	DD		A	Seal THB	シール THB
47	PSEL-0514FCZZ	AA	DD		A	Seal THE	シール THE
49	PSEL-0518FCZZ	AA	DD		A	Seal TA-B	シール TA-B
51	TLABZ3168FCZZ	AB	DD		C	Toner identification label (Black)	トナーシキベツラベル クロ
	TLABZ3168FCZ1	AB	DD		C	Toner identification label (Red)(Option)	トナーシキベツラベル アカ
	TLABZ3168FCZ2	AB	DD		C	Toner identification label (Blue)(Option)	トナーシキベツラベル アオ
52	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
53	LANGT1366FCZZ	AE	DS		C	Guide angle N	ガイドアングル N
54	PSHEZ3310FCZZ	AA	DJ		A	Protect sheet N	ホゴスエード N
55	XBSSD30P04000	AA	DD		Y	Screw (3×4)	ビス
	ユニット (Unit)						
901	CBOX-0090FCS2	BM	LE	N	E	Hopper unit	ホッパーユニット

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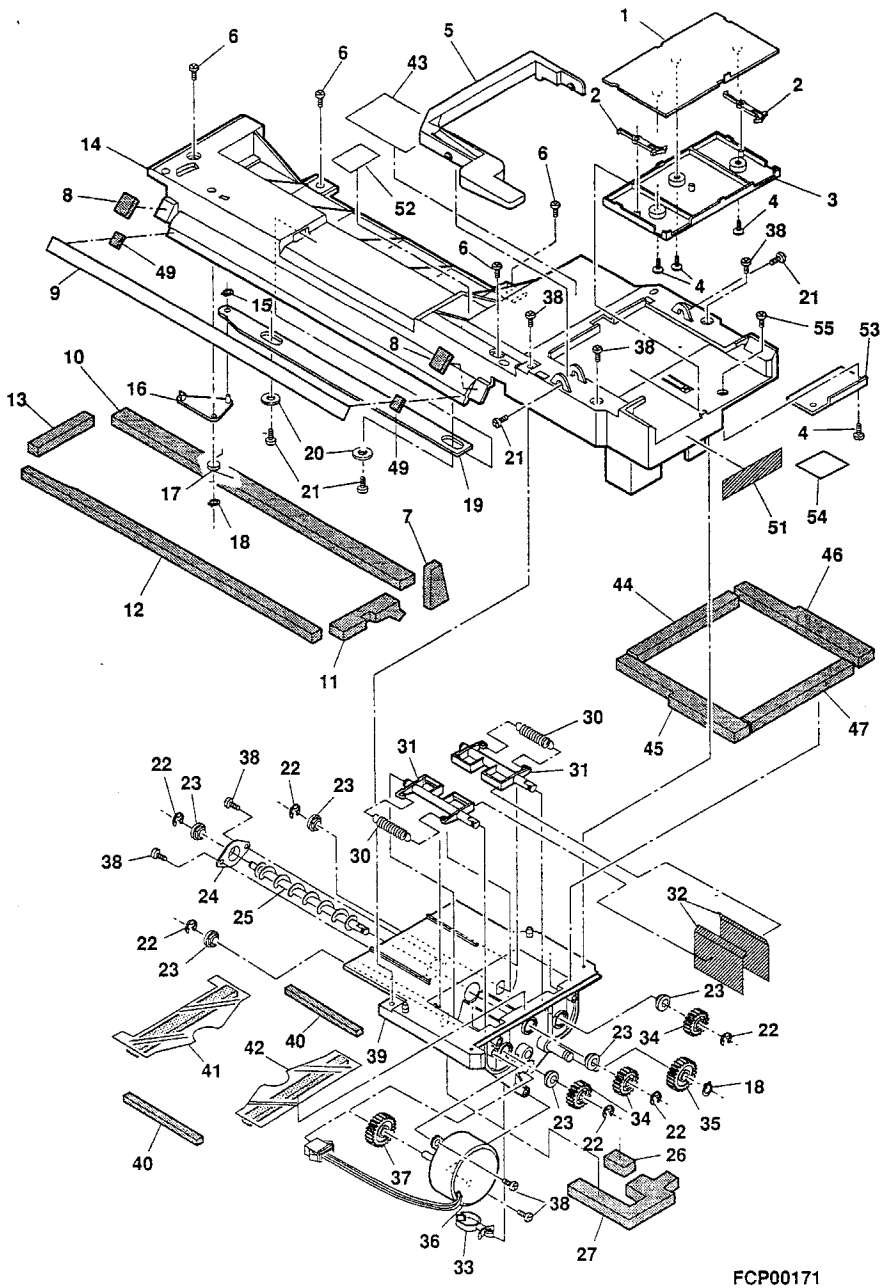
15 トナーホッパーユニット(Toner hopper unit)



16 DR・クリーナーユニット(DR・cleaner unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	PDUC-0063FCZZ	AM	EG		C	MC duct A	MCダクト A
2	XEBSD30P10000	AA	DD		Y	Screw (3×10)	ビス
3	XRESP50-06000	AA	DD		Y	E type ring	Eリング
4	LX-BZ0656FCZZ	AD	DJ		B	Screw	ビス
5	LX-WZ0316FCZZ	AA	DD		B	Washer	ワッシャ
6	MSPRC1959FCZZ	AA	DD		A	BL adjusting spring	BLチョウセイスプリング
7	JKNBP0122FCZZ	AC	DD		C	BL adjusting knob	BLチョウセイノブ
8	RLMPP0493FCZZ	AV	FQ		S	Discharge lamp	ジョデンランプ
9	CPWBF0970FC51	BN	LP	N	E	BL PWB	BL キバン
10	DHAi-2129FCZZ	AX	FQ	N	C	Drum harness	ドラムハーネス
11	LFRM-0733FCZZ	AT	FG		C	DR frame upper	DRフレームウエ
12	PSHEP3369FCZZ	AB	DJ	N	A	DR frame connector spacer	DRフレームコネクタースペーサー
13	CPWBF0975FC51	AQ	EQ	N	E	DR mark sensor PWB	DRマークセンサーキバン
14	XCPSD20P05000	AA	DD		Y	Screw (2×5)	ビス
15	XBPS240P06000	AA	DD		Y	Screw	ビス
21	CDAiU0451FC51	AQ	EQ		E	Separator pawl fixing plate unit	ハクリヅメトリツケダイユニット
22	LPLTM4066FCZZ	AN	EG		C	DR frame joint plate	DRフレームレンケツバン
23	XEBSD30P10000	AA	DD		Y	Screw (3×10)	ビス
24	UCLEZ0117FCZZ	AT	FG		S	Blade	ブレードB9
25	XBPS240P06000	AA	DD		Y	Screw	ビス
26	XHBSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Sタイト)
27	NGERH0868FCZZ	AC	DD		A	Toner screw gear 22T	Tスクリュウギヤー22T
28	NBRGP0321FCZZ	AD	DJ		B	Bearing	ジクウケ
29	PGUMS0226FCZZ	AA	DD		A	Solenoid rubber	ソレノイドボウシンゴム
30	RPLU-0280FCZZ	AN	EQ		B	Separator solenoid	ハクリソレノイド
31	QEARP0051FCZZ	AE	DJ		C	DR frame lower earth plate	DRフレームシタアースイタ
32	LFRM-0732FCZ1	AZ	FX	N	C	DR frame lower	DRフレーム シタ
33	PMLT-0869FCZZ	AB	DD		A	Blade lower cushion	ブレードシタモルト
34	PSEL-0488FCZZ	AE	DS		A	Blade side seal R	ブレードサイドシールR
35	MSPRC1811FCZZ	AA	DD		A	Separator lever spring	ハクリレバーヨウスプリング
36	MLEVP0596FCZZ	AD	DJ		B	Separator pawl lever	ハクリヅメレバー
37	PSEL-0487FCZZ	AE	DS		A	Blade side seal F	ブレードサイドシールF
38	NSRW-0015FCZZ	AH	DX		C	Toner transport screw	トナーハンソウスクリュー
39	CCLEZ0126FC31	AV	FG	N	E	Toner holding cleaner unit	トナーウケクリーナーユニット
40	XEPSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Pタイト)
41	XBPSF30P06000	AA	DD		Y	Screw (3×6)	ビス
42	XRESP40-06000	AA	DD		Y	4E-Type ring	Eリング
43	NBRGP0299FCZZ	AC	DJ		B	Bearing (φ5)	ジクウケ
44	LHLDZ1092FCZZ	AF	DS		C	Waste toner pipe holder	ハイトナーパイプホルダー
45	XRESP50-06000	AA	DD		Y	E type ring	Eリング
46	MSPRT2026FCZZ	AA	DD		A	Shutter spring	シャッター スプリング
47	PSHT-0058FCZZ	AD	DJ		C	Waste toner shutter	ハイトナーシャッター
48	LX-BZ0656FCZZ	AD	DJ		B	Screw	ビス
49	NSRW-0016FCZZ	AG	DS		C	Waste toner transport screw	ハイトナーハンソウスクリュー
50	CHLDZ1091FC01	AN	EG		C	Screw end	スクリューエンド
51	NGERH0209FCZ1	AB	DD		A	Delivery roller gear (24T)	ハイシローラギヤー
52	NBRGP0299FCZZ	AC	DJ		B	DV bearing	DVジクウケ
53	XPSSJ20-06000	AA	DD		Y	Spring pin (2×6)	スプリングピン
54	NGERH0480FCZZ	AC	DJ		A	Idle gear (23T)	アイドルギヤ
55	NGERH0408FCZZ	AB	DD		A	Waste toner gear B	ハイトナーギヤーB
56	NGERH0417FCZZ	AC	DJ		A	Waste toner gear C	ハイトナーギヤーC
57	LPiN-0026MCZZ	AA	DD		B	Spring pin (φ2×10)	スプリングピン
59	PTME-0225FCZZ	AC	DJ		S	Separater pawl R	ハクリヅメ R
60	CPWBF0997FC51	AP	EQ	N	E	Sensor VR PWB	センサーVRキバン
61	CPLTM4027FC01	AL	EG		C	Drum control plate F A (North,South and Central america, Asian,Indonesia)	ドラムイチギメイタF A
	CPLTM4027FC02	AK	EB		C	Drum control plate F B (other countries)	ドラムイチギメイタF B
62	XBBS240P14000	AA	DD		Y	Screw	ビス
63	PCOVP1195FCZZ	AE	DS	N	C	Harness cover	ハーネスカバー
64	DHAi-2201FCZZ	AP	EQ	N	C	Interface harness	プロコンチェウケイハーネス
65	LDAiU0473FCZZ	AF	DS	N	C	DR sensor fixing base	DRセンサートリツケダイ
66	CPWBF0976FC51	AQ	EQ	N	E	DR sensor PWB	DRノウドセンサーキバン
67	PCOVP1184FCZ1	AC	DJ	N	C	DR sensor cover	DRセンサーカバー
68	XEPSD30P08000	AA	DD		Y	Screw	ビス
69	PMLT-0898FCZZ	AB	DJ	N	A	Sensor harness fixing cushion	センサーハーネスオサエモルト
70	CCOVP1185FC01	AQ	EQ	N	C	Waste toner gear cover	ハイトナーギヤカバー
71	TCAUH0819FCZZ	AA	DD		C	High voltage caution label (Japan only)	コウアツチュウイラベル J
	TCAUH0963FCZZ	AB	DD		C	High voltage caution label (USA,Australia,U,Kingdom)	コウアツチュウイラベル U
	TCAUH0821FCZZ	AA	DD		C	High voltage caution label (Other countries)	コウアツチュウイラベル EA
72	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
501	CFRM-0733FC52	BS	NE	N	E	DR frame upper unit	DRフレームウエユニット
502	CFRM-0732FC53	BR	MJ	N	E	DR frame lower unit	DRフレームシタユニット

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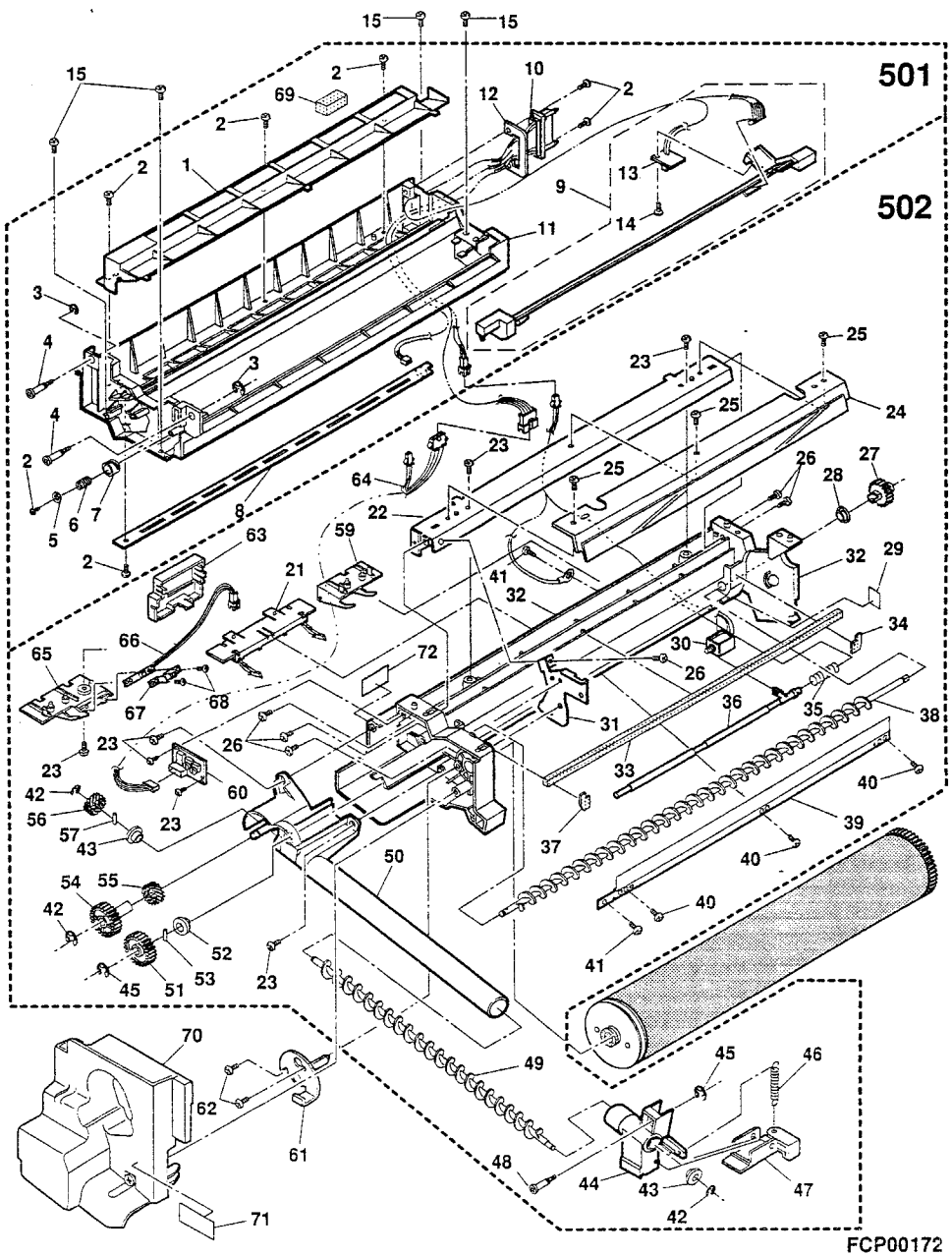
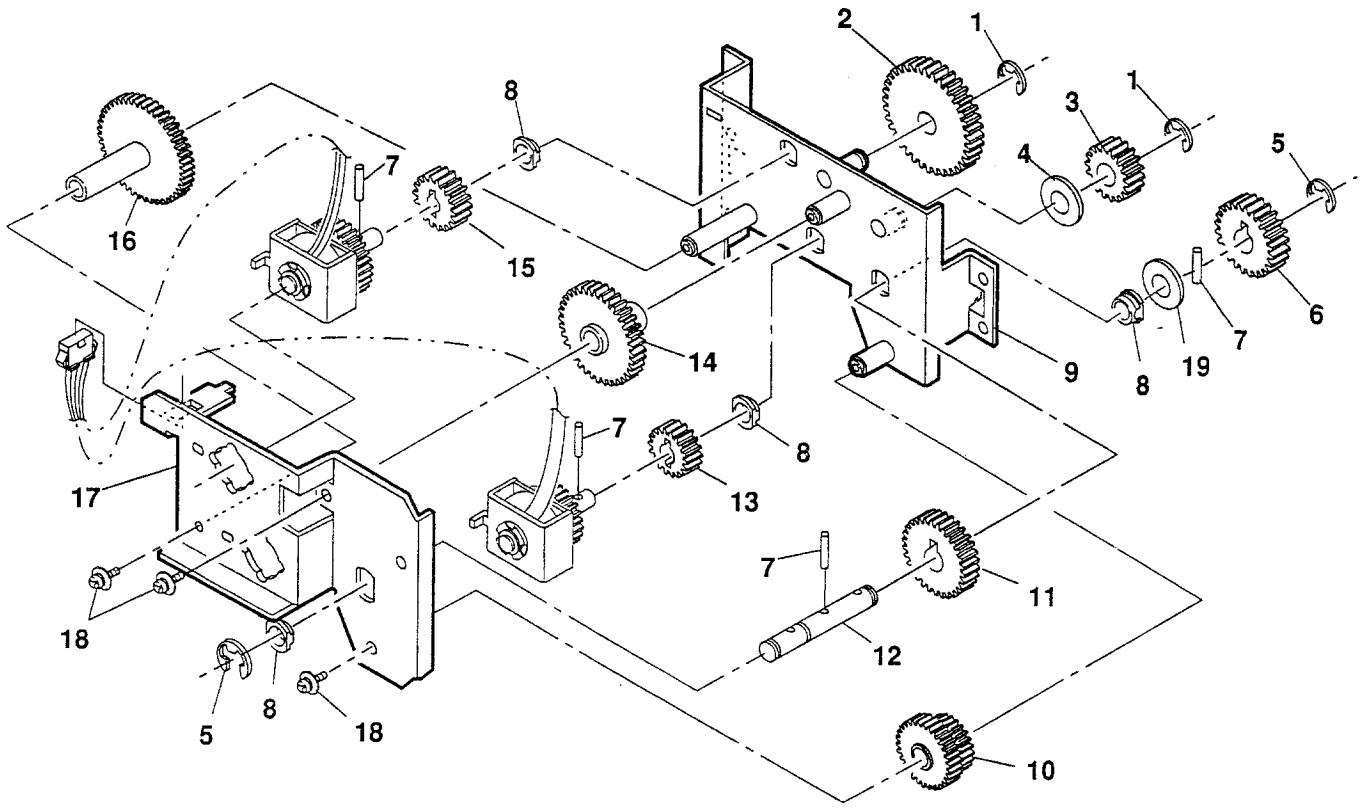
16 DR・クリーナーユニット(DR・cleaner unit)



17 給紙変速ユニット(Paper feed speed change unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	XRESP50−06000	AA	DD		Y	E type ring	Eリング
2	NGERH0857FCZZ	AE	DJ		A	35T gear	35Tギヤー
3	NGERH0457FCZZ	AC	DD		A	DV drive gear R	DVクドウギヤー R
4	XWHSD80−16160	AA	DD		Y	Washer	ワッシャ
5	XRESP70−08000	AA	DD		Y	E type ring	E リング
6	NGERH0942FCZZ	AE	DS	N	A	Gear (19T)	ギヤー
7	LPiNS0155FCZZ	AA	DD		B	Pin (ϕ3×10)	ヘイコウピン
8	NBRGC0319FCZZ	AD	DJ		B	Bush bearing	ブッシュジクウケ
9	CFRM−0792FC01	AX	FQ	N	C	Speed change frame B	ヘンソクフレームB
10	NGERH0941FCZZ	AF	DS	N	A	24/28T gear	24/28Tギヤー
11	NGERH0853FCZZ	AE	DJ		A	32T gear	32Tギヤー
12	NSFTZ1755FCZZ	AM	EG		C	Speed change drive shaft 1	ヘンソククドウジク1
13	NGERH0317FCZZ	AC	DJ		A	DV gear (18T)	DVギヤー
14	NGERH0854FCZZ	AE	DS		A	40T gear	40Tギヤー
15	NGERH0940FCZZ	AE	DS	N	A	24T gear	24Tギヤー
16	NGERH0855FCZZ	AE	DS		A	45T gear	45Tギヤー
17	LFRM−0791FCZZ	AK	EB	N	C	Speed change frame A	ヘンソクフレームA
18	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	ビス
19	LX−WZ0094FCZZ	AA	DD		B	Washer	ポリスライダー
	ユニット (Unit)						
901	CFRM−0792FC31	BL	HV	N	E	Paper feed speed change frame unit	キュウシヘンソクフレームユニット



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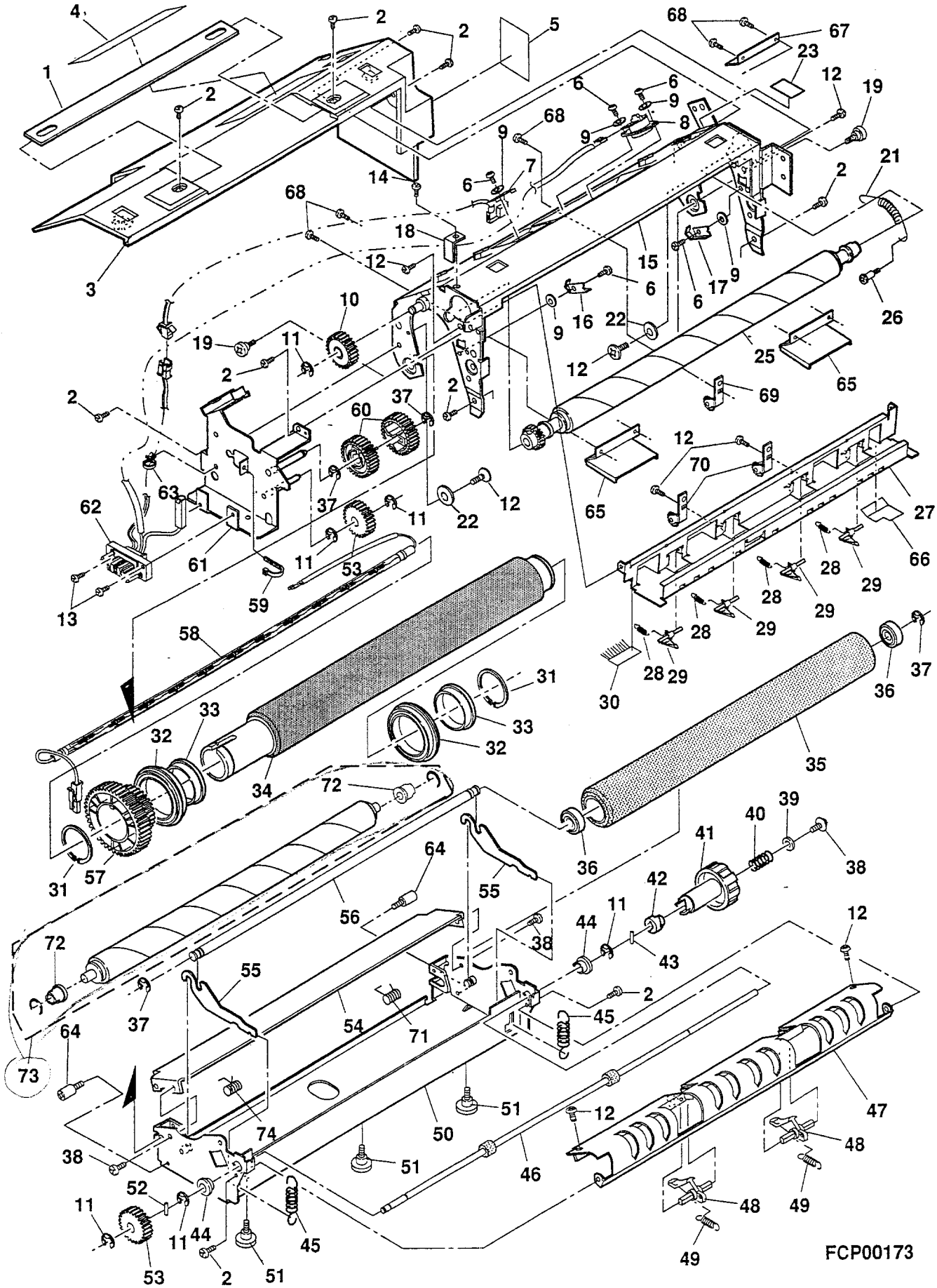
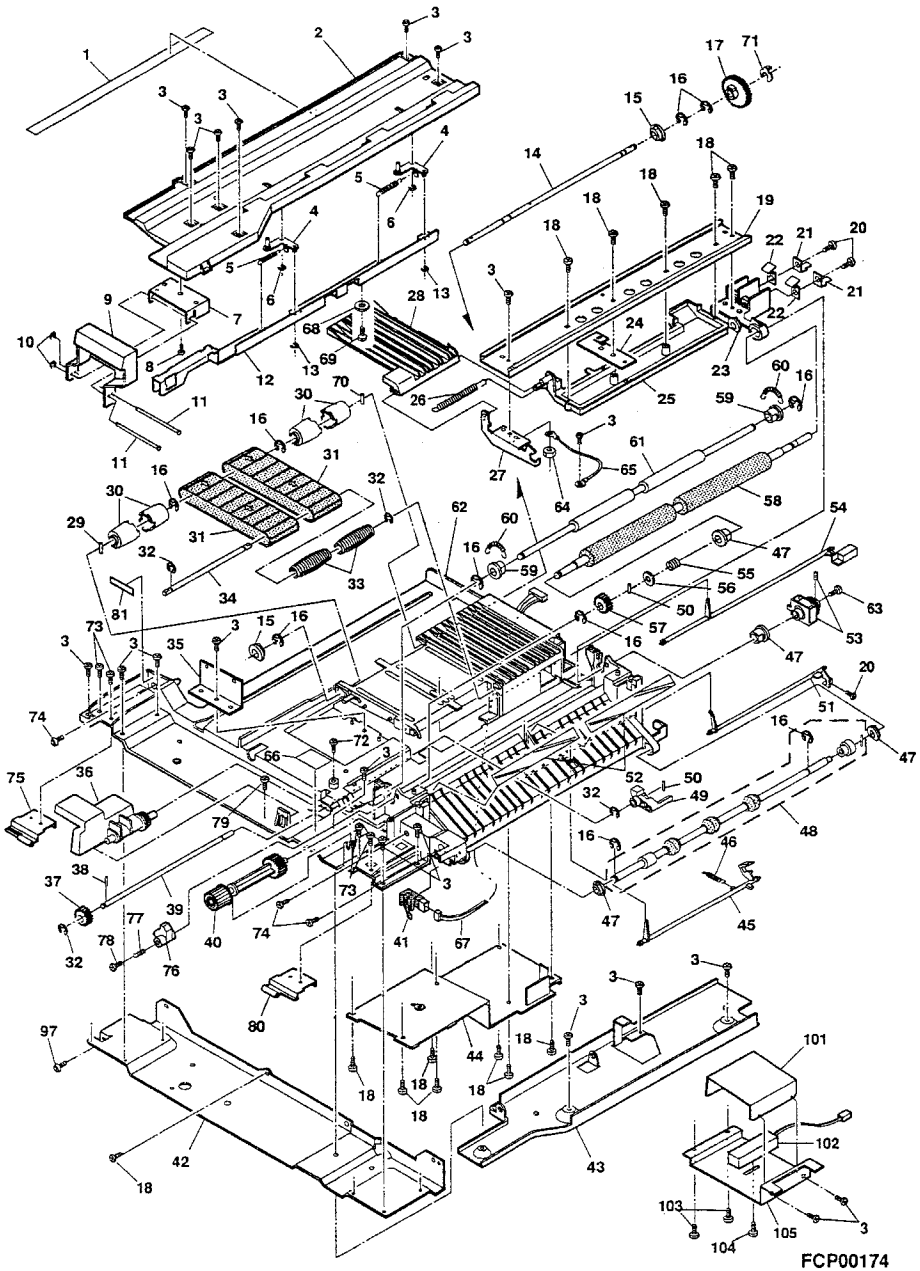
18 定着ユニット(Fusing unit)



20 搬送DVガイドユニット(Transport DV guide unit)



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20 搬送DVガイドユニット(Transport DV guide unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	PSHEP3127FCZZ	AE	DJ		A	TC guide sheet upper	TCガイドマイラーウエ
2	CGiDM1341FC01	AX	FX		C	DV guide	DVガイド
3	LX-BZ0180FCZZ	AA	DD		B	Screw (4×10)	ビス
4	CPLTM4145FC01	AG	DX		C	Plate DV	プレートDV
5	MSPRC1965FCZZ	AC	DD		A	DV guide spring	DVガイドスプリング
6	XRESP40-06000	AA	DD		Y	E Type ring	Eリング
7	LPLTM4035FCZZ	AE	DJ		C	Plate DV H	プレートDVH
8	XEBSD40P08000	AA	DD		Y	Screw (4×8)	ビス
9	PGiDH1368FCZ1	AG	DX	N	C	DV guide S	DVガイドS
10	XRESP20-06000	AA	DD		Y	E type ring	Eリング
11	NSFTZ1595FCZZ	AD	DJ		C	Shaft G	シャフトG
12	CPLTM4034FC01	AP	EQ		C	Plate DV G	プレートDVG
13	XRESP30-06000	AA	DD		Y	E type ring	Eリング
14	NSFTZ1736FCZZ	AM	EG		C	Suction drive shaft	サクションクドウジク
15	NBRGC0254FCZZ	AB	DD		B	Delivery roller bearing	ハイシローラーヨウジクウケ
16	XRESP70-08000	AA	DD		Y	E type ring	Eリング
17	NGERH0188FCZZ	AD	DJ		A	Joint gear (30T)	レンケツ ギヤー
18	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
19	PGiDH1355FCZZ	AK	EB		C	Charger guide	チャージャガイド
20	XEPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
21	LPLTM4105FCZZ	AC	DD		C	Terminal fixing plate	タンシトリツケイタ
22	QSLP-0155FCZZ	AB	DD		C	TC electrode	TCデンキョク
23	LHLDZ1078FCZZ	AE	DS		C	Electrode holder	デンキョクホルダー
24	CSPRP1932FC01	AE	DS		A	Suction lift plate spring	サクションリフトイタスプリング
25	PDUC-0060FCZZ	AG	DX		C	Charger duct	チャージャーダクト
26	MSPRT1938FCZZ	AB	DD		A	Suction plate F spring	サクションイタF スプリング
27	LHLDZ1096FCZZ	AD	DJ		C	Charger fulcrum holder F	チャージャシテンホルダーF
28	LPLTP4022FCZZ	AH	DX		C	Suction plate F	サクションバンF
29	LPiNS0155FCZZ	AA	DD		B	Pin (φ3×10)	ヘイコウピン
30	NROLP0487FCZZ	AB	DD		C	Suction drive roller	サクションクドウローラー
31	NBLTH0170FCZZ	AH	DX		A	Suction belt	サクションベルト
32	XRESP50-06000	AA	DD		Y	E type ring	Eリング
33	NROLP0833FCZ1	AC	DD		A	Belt roller	ベルトローラー
34	NSFTZ1737FCZZ	AG	DS		C	Suction shaft	サクションジュウドウジク
35	LHLDZ1079FCZZ	AD	DJ		C	Suction holder	サクションホルダー
36	MLEVP0584FCZZ	AG	DX		C	Suction lift lever	サクションリフトレバー
37	NGERH0314FCZZ	AC	DD		A	Toner transport gear (16T)	トナーハンソウギヤー
38	LPiNS0258FCZZ	AA	DD		B	Spring pin (3-8)	スプリングピン3-8
39	NSFTZ1734FCZZ	AH	DX		C	Suction lift shaft	サクションリフトジク
40	JKNBP0120FCZZ	AE	DJ		C	Transport roller gear knob	ハンソウローラーギヤノブ
41	QSW-M0452FCZZ	AN	EQ	N	A	Waste toner detect switch	ハイトナーケンチスイッチ
42	CPLTM4031FC01	AX	FX		C	Transport base reinforce plate F	ハンソウダイホキョウバン F
43	LPLTM4032FCZZ	AT	FG		C	Transport base supply plate TC	ハンソウダイホジバンTC
44	LPLTP4021FCZ1	AK	EB		C	Suction plate lower	サクションバン シタ
45	MLEVP0585FCZZ	AC	DJ		C	PPD1 actuator	PPD1アクチユエーター
46	MSPRT1984FCZZ	AB	DD		A	PPD1 spring	PPD1 ヨウスプリング
47	NBRGC0066FCZZ	AE	DJ		B	Cleaner drive bearing	クリーナー クドウヨウ ベアリング
48	CROLR0897FC01	AS	EZ		C	Transport roller	ハンソウローラー
49	PGiDM1339FCZZ	AC	DD		C	Suction lift guide	サクションリフトガイド
50	LPiNS0096FCZZ	AB	DD		B	Pin (3×12)	ヘイコウピン
51	MLEVP0600FCZZ	AD	DJ		C	PPD2 actuator	PPD2アクチユエーター
52	PSHEZ3126FCZZ	AB	DD		A	PS front sheet	PSマエシート
53	PCLC-0204FCZZ	AW	FQ		B	PS clutch	PSクラッチ
54	MLEVP0583FCZ1	AE	DS		C	MS2 actuator	MS2アクチユエーター
55	MSPRC1863FCZZ	AA	DD		A	PS brake spring	PSブレーキスプリング
56	LX-WZ0017FCZZ	AA	DD		B	Washer (φ8)	ワッシャ
57	NGERH0317FCZZ	AC	DJ		A	DV gear (18T)	DVギヤー
58	NROLR0899FCZZ	AX	FX		C	PS roller lower	PSローラーシタ
59	NBRGC0037FCZZ	AF	DJ		B	Bearing B	ジクウケ B
60	MSPRT2100FCZZ	AD	DJ	N	A	PS spring	PSスプリング
61	NROLP0898FCZ1	AU	FQ		C	PS roller upper	PSローラーウエ
62	LDAiU0448FCZZ	BE	HC		C	Transport base plate	ハンソウダイバン
63	XBPSD40P10KS0	AA	DD		Y	Screw (4×10KS)	ビス
64	XNESD40-32000	AA	DD		Y	Nut	ナット
65	DHAi-2108FCZZ	AD	DJ		C	TC guide earth harness	TCガイドアースハーネス
66	TCAUH0819FCZZ	AA	DD		C	High voltage caution label (Japan only)	コウアツチュウイラベル J
	TCAUH0963FCZZ	AB	DD		C	High voltage caution label (USA,Australia,U.Kingdom)	コウアツチュウイラベル U
	TCAUH0821FCZZ	AA	DD		C	High voltage caution label (Other countries)	コウアツチュウイラベル E4
67	DHAi-2046FCZZ	AH	DX		C	TFD interface harness	TFDチュウケイハーネス
68	LX-WZ0225FCZZ	AA	DD		B	Washer	ワッシャ
69	XEBSD30P06000	AA	DD		Y	Screw (3×6)	ビス
70	LPiNS0254FCZZ	AB	DJ	N	B	Spring pin (φ3-9.5)	スプリングピン
71	LSTPP0279FCZZ	AB	DD		C	Stopper	ストッパー
72	XEPSD40P14000	AA	DD	N	Y	Screw (4×14)	ビス
73	XBPSF30P08000	AA	DD		Y	Screw (3×8)	ビス
74	LX-BZ0676FCZZ	AA	DD		B	Screw (4×10)(Blue)	ビス
75	MHNG-0167FCZZ	AH	DX	N	C	Front exterior hinge L2	マエキャビヒンジ L2
76	LANGT1350FCZZ	AC	DJ		C	TC lock angle	TCロックアングル
77	MSPRC1958FCZZ	AA	DD		A	Lock spring	ロックスプリング
78	XEPSD30P14000	AA	DD		Y	Screw	ビス

18 定着ユニット(Fusing unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	JHNDP0110FCZZ	AE	DS		C	Fusing handle	テイチャクハンドル
2	XBPSD40P06000	AA	DD		Y	Screw (4×6)	ビス
3	PCOVP1133FCZ1	AV	FG	N	C	Fusing cover	テイチャクカバー
4	TCAUH0878FCZZ	AC	DD		C	HT caution label (Japan only)	コウオンチュウイラベル
	TCAUH0879FCZZ	AC	DD		C	HT caution label (USA,Australia,U,Kingdom)	コウオンチュウイラベル U
	TCAUH0931FCZZ	AB	DD		C	HT caution label (other countries)	コウオンチュウイラベル E4A
5	TCAUH0959FCZZ	AA	DD		C	HT caution label (USA only)	コウオンチュウイラベル U
	TCAUH0932FCZZ	AB	DD		C	HT caution label (SEEG only)	コウオンチュウイラベル E4B
6	XBPSD30P04000	AA	DD		Y	Screw (3×4)	ビス
7	RDTCT0082FCZZ	AQ	EZ		A	Thermistor	サーミスター
8	RTHM-0009FCZZ	AK	EB		A	Thermostat	サーモスタット
9	XWHSD30-05080	AA	DD		Y	Washer	ワッシャ
10	CGERH0564FC01	AK	EB		A	CL gear (24T)	CLギヤー
11	XRESP50-06000	AA	DD		Y	E type ring	Eリング
12	XBPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
13	XBPSD30P10000	AA	DD		Y	Screw (3×10)	ビス
14	XBPSD40P06KS0	AA	DD		Y	Screw (4×6KS)	ビス
15	CFRM-0747FC01	AX	FX		C	Fusing upper frame	テイチャクウエフレーム
16	LFiX-0442FCZZ	AB	DD		C	Fusing shaft fixing plate R	テイチャクジクオサエR
17	LFiX-0441FCZZ	AB	DD		C	Fusing shaft fixing plate F	テイチャクジクオサエF
18	LFiX-0446FCZZ	AC	DJ		C	Upper CL fixing plate	ウエCLオサエバン
19	LX-BZ0266FCZZ	AB	DD		B	Screw	ビス
21	MSPRT1955FCZZ	AC	DD		A	Upper CL roller spring	ウエCLローラースプリング
22	XWHSD40-01800	AA	DD		Y	Washer	ワッシャ
23	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
25	CROLN0586FC32	BK	HL	N	S	Upper CL roller unit	ウエCLローラーユニット
26	LX-BZ0373FCZZ	AA	DD		B	Screw	ビス
27	LPLTM4064FCZZ	AM	EG		C	Upper pawl fixing plate	ウエツメトリツケバン
28	MSPRT1952FCZZ	AA	DD		A	Upper pawl spring	ウエツメスプリング
29	PTME-0168FCZZ	AH	DX		S	Upper separator pawl	ウエハクリツメ
30	PBRSS0093FCZZ	AB	DD		A	Heat roller discharge brush	ヒートローラージョデンブラシ
31	PRNGP0082FCZZ	AD	DS	N	A	Stop ring	ストップリング
32	NBRGY0295FCZZ	AR	EZ		B	Lower heat roller bearing	シタヒートローラーベアリング
33	LBSHC0228FCZZ	AG	DS		C	Bushing	ダンネツブッシュ
34	NROLT0962FCZZ	BF	GT	N	S	Upper heat roller	ウエヒートローラー
35	NROLi0963FCZZ	BE	GN	N	S	Lower heat roller	シタヒートローラー
36	NBRGY0296FCZZ	AK	EB		B	Lower heat roller bearing	シタヒートローラーベアリング
37	XRESP70-08000	AA	DD		Y	E type ring	E リング
38	XBPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
39	LX-WZ0131FCZZ	AA	DD		B	Washer	ワッシャ
40	MSPRC1954FCZZ	AB	DD		A	Ratchet spring	ラチエットヨウスプリング
41	JKNBP0121FCZZ	AE	DS		C	Fusing knob	テイチャクノブ
42	LDAiU0450FCZZ	AB	DD		C	Ratchet block	ラチエットブロック
43	LPiNS0096FCZZ	AB	DD		B	Pin (3×12)	ヘイコウピン
44	NBRGC0188FCZZ	AB	DD		B	PF bearing	PFジクウケ
45	MSPRT2034FCZZ	AR	EQ	N	A	Pressure spring	カアツスプリング
46	NROLR0911FCZZ	AP	EQ		C	Reversing roller	ハンテンローラー
47	LPLTM4065FCZZ	AN	EQ		C	Lower pawl fixing plate	シタツメトリツケバン
48	PTME-0174FCZ1	AF	DS		S	Lower separator pawl	シタハクリツメC7
49	MSPRT1953FCZZ	AA	DD		A	Lower pawl spring	シタツメスプリング
50	CFRM-0748FC01	AW	FQ		C	Fusing lower frame	テイチャクシタフレーム
51	LX-BZ0661FCZZ	AC	DD		B	Screw	ビス
52	LPiN-0026MCZZ	AA	DD		B	Spring pin (φ2×10)	スプリングピン
53	NGERH0866FCZZ	AC	DD		A	Gear (22T)	22Tギヤ
54	PGiDH1364FCZZ	AH	DX		C	Fusing front paper guide	テイチャクマエペーパーガイド
55	MLEVF0627FCZZ	AD	DS	N	C	Pressure lever	カアツレバー
56	NSFTZ1778FCZZ	AK	EB		C	Pressure roller shaft	アッチャクローラジク
57	NGERH0475FCZ1	AK	EB		A	Heat roller gear (60T)	ヒートローラギヤ
⚠ 58	RLMPU0512FCZZ	BA	GD	N	S	Heater lamp (100V)	ヒーターランプ
⚠ 58	RLMPU0513FCZZ	BA	GD	N	S	Heater lamp (110V)	ヒーターランプ
⚠ 58	RLMPU0514FCZZ	BA	GD	N	S	Heater lamp (120V)	ヒーターランプ
⚠ 58	RLMPU0515FCZZ	BA	GD	N	S	Heater lamp (127V)	ヒーターランプ
⚠ 58	RLMPU0516FCZZ	BB	GD	N	S	Heater lamp (220V)	ヒーターランプ
⚠ 58	RLMPU0517FCZZ	BB	GD	N	S	Heater lamp (240V)	ヒーターランプ
59	LBNDJ0037FCZZ	AA	DD		Y	Band (T18S)	バンド
60	NGERH0621FCZZ	AD	DJ		A	Delevery roller gear (30T)	ハインデンタツ130ギヤー
61	CHLDZ1101FC01	AP	EQ		C	Lamp holder	ランプホルダー
62	DHAi-2196FCZZ	AT	EZ	N	C	Fusing interface harness (100V series)	テイチャクチュウケイハーネス
62	DHAi-2197FCZZ	AT	EZ	N	C	Fusing interface harness (200V series)	テイチャクチュウケイハーネス
63	LBNDJ0043FCZZ	AA	DD		Y	Snap band (SG-130)	スナップバンド
64	LX-BZ0675FCZZ	AF	DS	N	B	Screw	ダンビス
65	PGiDH1377FCZZ	AH	DX		C	Fusing guide upper (Japan,Australia)	テイチャクガイドウエ
66	PSHEP3213FCZZ	AC	DD		A	Fusing sheet A	テイチャクマイラーA
67	PCOVP1160FCZZ	AH	DX		C	HR upper guide cover (Japan,Australia)	HRウエガイドカバー
68	XBPSD30P06000	AA	DD		Y	Screw (Japan,Australia)	ビス
69	CPLTM4211FC51	AE	DS		E	Fusing collar fixing plate unit (Japan only)	テイチャクコロトリツケイタユニット
70	CPLTM4204FC51	AE	DS		E	Fusing collar fixing plate unit	テイチャクコロトリツケイタユニット
71	MSPRD1956FCZZ	AD	DS	N	A	Lower CL roller spring F	シタCLローラースプリングF
72	NBRGC0100FCZZ	AC	DD		A	Bearing 6	ジクウケ6

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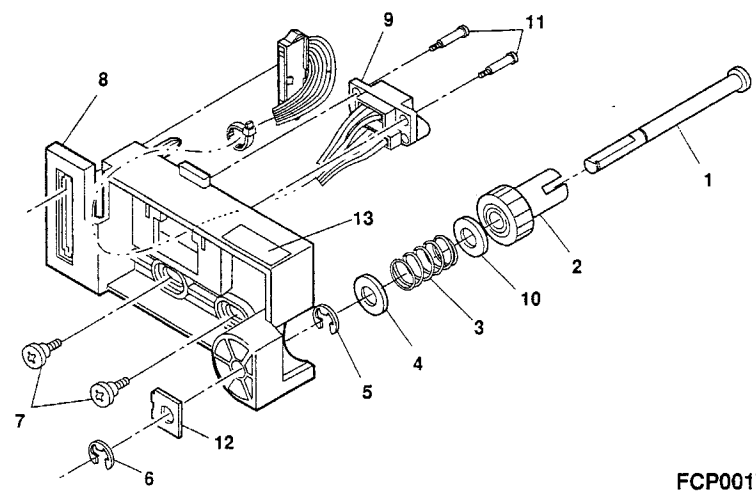
18 定着ユニット(Fusing unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
73	CROLN0912FC31	AZ	FX	N	S	Lower CL roller unit (This includes №72)	シタCLローラーユニット (NO.72フク
74	MSPRO1957FCZZ	AD	DS	N	A	Lower CL roller spring R	シタCLローラースプリングR
	ユニット (Unit)						
901	DUNTW6605FC30	CC	UB	N	E	Fusing unit (100V)	テイチャクユニット(コクナイ)
	DUNTW6605FC36	CC	UB	N	E	Fusing unit (110V)	テイチャクユニット
	DUNTW6605FC31	CC	UB	N	E	Fusing unit (120V··USA only)	テイチャクユニット
	DUNTW6605FC32	CC	UB	N	E	Fusing unit (120V··other countries)	テイチャクユニット
	DUNTW6605FC37	CC	UB	N	E	Fusing unit (127V)	テイチャクユニット
	DUNTW6605FC33	CC	UB	N	E	Fusing unit (220V··SEEG only)	テイチャクユニット
	DUNTW6605FC38	CC	UB	N	E	Fusing unit (220V··other countries)	テイチャクユニット
	DUNTW6605FC34	CC	UB	N	E	Fusing unit (240V··U,Kingdom only)	テイチャクユニット
	DUNTW6605FC35	CC	UB	N	E	Fusing unit (240V··Australia only)	テイチャクユニット
	DUNTW6605FC39	CC	UB	N	E	Fusing unit (240V··other countries)	テイチャクユニット

19 DV駆動ユニット(DV drive unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	NSFTZ1752FCZZ	AD	DJ		C	DV drive shaft	DVクドウジク
2	NGERH0850FCZZ	AC	DD		A	18T gear	18Tギヤー
3	MSPRC1941FCZZ	AA	DD		A	DV 18T spring	DV18T スプリング
4	LX-WZ0031FCZZ	AA	DD		B	Washer	ワッシャ
5	XRESP50-06000	AA	DD		Y	E type ring	Eリング
6	XRESP40-05000	AA	DD		Y	E type ring	Eリング
7	LX-BZ0414FCZZ	AB	DD		B	Screw	ビス
8	LFRM-0731FCZZ	AM	EQ	N	C	DV drive frame A	DVクドウフレームA
9	DHAi-2213FCZZ	AS	EZ	N	C	DV interface harness	DVチュウケイハーネス
10	LX-WZ0325FCZZ	AA	DD		B	Washer (φ6-12)	ワッシャ
11	LX-BZ0583FCZZ	AB	DD		B	Screw	ビス
12	LPLTM4448FCZZ	AC	DJ	N	C	DV drive shaft fixing plate	DVクドウジクコテイイタ
13	TLABZ3356FCZZ	AC	DJ	N	C	Name plate	ヒンバンラベル

19 DV駆動ユニット(DV drive unit)



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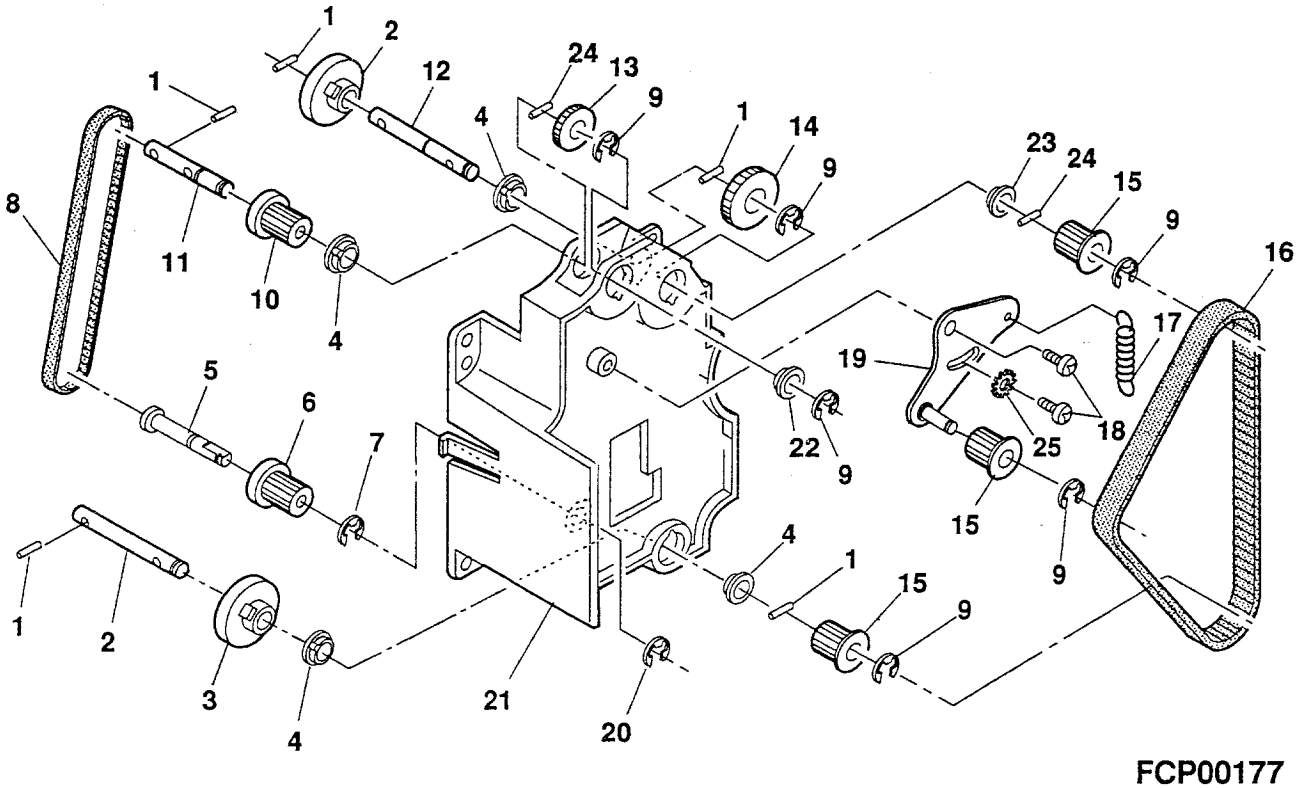
20 搬送DVガイドユニット(Transport DV guide unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
79	XBPSD40P06000	AA	DD		Y	Screw	ビス
80	MHNG-0169FCZZ	AF	DX	N	C	Front exterior hinge R2	マエキャビヒンジ R2
81	PSHEZ3280FCZZ	AA	DD		A	Transport base plate sheet	ハンソウダイイタシート
101	PCOVQ1152FCZZ	AG	DS		C	Dry heater pressure cover	(SF-2035H) ジョシツヒーターシャネツカバー
102	CR-WZ0244FC05	AQ	EZ		C	Dry heater	(SF-2035H) ジョシツヒーター 120
103	XEPSD40P08000	AA	DD		Y	Screw (4×8)	(SF-2035H) ビス
104	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	(SF-2035H) ビス
105	LPLTM4149FCZZ	AH	DX		C	Dry heater fixing plate	(SF-2035H) ジョシツヒータートリツケイタ

21 給紙駆動フレームユニット(Paper feeding drive frame unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LPiNS0155FCZZ	AA	DD		B	Pin (φ3×10)	ヘイコウピン
2	NSFTZ1749FCZZ	AF	DS		C	Paper feed drive shaft 2	キュウシクドウジク2
3	NCPL-0013FCZZ	AC	DD		C	PF cup ring	キュウシカップリング
4	NBRGC2019SCZZ	AC	DJ		B	Bearing (φ8)	ベアリング
5	NSFTZ1751FCZZ	AD	DJ		C	Paper feed drive shaft 4	キュウシクドウジク4
6	NPLYZ0261FCZZ	AC	DD		A	Pulley 19P	プーリー19P
7	XRESP50-06000	AA	DD		Y	E type ring	Eリング
8	NBLTH0185FCZZ	AF	DS		A	Drive belt D	クドウベルトD
9	XRESP70-08000	AA	DD		Y	E type ring	Eリング
10	NPLYZ0270FCZZ	AC	DD		A	Pulley 17P-B	プーリー17P-B
11	NSFTZ1750FCZZ	AG	DS		C	Paper feed drive shaft 3	キュウシクドウジク3
12	NSFTZ1748FCZZ	AG	DX		C	Paper feed drive shaft 1	キュウシクドウジク1
13	NGERH0317FCZZ	AC	DJ		A	DV gear (18T)	DVギヤー
14	NGERH0457FCZZ	AC	DD		A	DV drive gear R	DVクドウギヤー R
15	NPLYZ0260FCZZ	AC	DD		A	Pulley 17P-A	プーリー17P-A
16	NBLTH0184FCZZ	AF	DS		A	Drive belt C	クドウベルトC
17	MSPRT1982FCZZ	AB	DD		A	PF drive tension spring	キュウシクドウテンションスプリング
18	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
19	CPLTM4037FC01	AG	DS		C	PF drive tension plate	キュウシクドウテンションプレート
20	XRESP40-05000	AA	DD		Y	E type ring	Eリング
21	LFRM-0730FCZ1	AM	EG	N	C	Paper feed drive frame A	キュウシクドウフレームA
22	NBRGC0468FCZZ	AE	DJ		B	Paper feed drive bearing 2	キュウシクドウジクウケ2
23	NBRGC0467FCZZ	AD	DJ		B	Paper feed drive bearing 1	キュウシクドウジクウケ1
24	LPiNS0262FCZZ	AB	DD		B	Spring pin (3×9.5)	スプリングピン
25	XWVSD40-05000	AA	DD		Y	Washer	ワッシャ

21 給紙駆動フレームユニット(Paper feeding drive frame unit)



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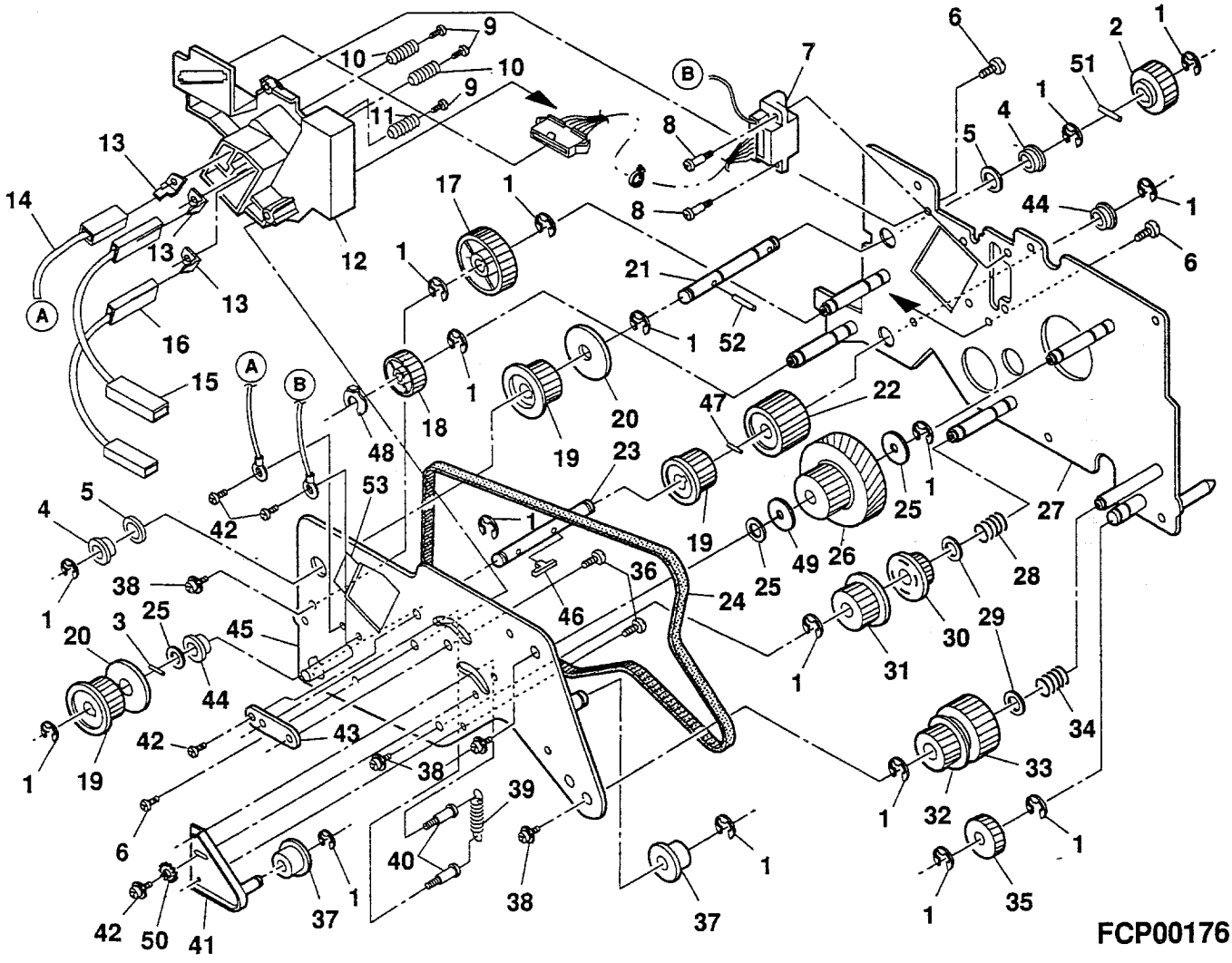
22 メイン駆動ユニット(Main drive unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	XRESP70-08000	AA	DD		Y	E type ring	Eリング
2	NGERH0846FCZZ	AF	DS		A	DR drive gear 24T	DRクドウギヤ24
3	LPiNS0155FCZZ	AA	DD		B	Pin (φ3×10)	ヘイコウピン
4	NBRGY0466FCZZ	AK	EB		B	Ball bearing	ボールベアリング
5	LX-WZ0322FCZZ	AA	DD		B	Washer	ワッシャ
6	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
7	DHAi-2202FCZZ	AW	FG	N	C	Drum interface harness	ドラムチュウケイハーネス
8	LX-BZ0583FCZZ	AB	DD		B	Screw	ビス
9	XBPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
10	MSPRP1293FCZZ	AB	DD		A	Electrode spring	デンキョク スプリング
11	MSPRP1426FCZZ	AB	DD		A	Electrode spring	マゲデンキョクスプリング
12	QSOCZ0059FCZZ	AL	EG		C	MC socket	MCソケット
13	QSLP-0159FCZZ	AC	DD		C	Socket electrode	ソケットデンキョク
14	DHAi-2073FCZZ	AD	DJ		C	High voltage grand harness	コウアツグランドハーネス
15	DHAi-2065FCZZ	AD	DJ	N	C	MC harness	MCハーネス
16	DHAi-2066FCZZ	AD	DJ	N	C	GB harness	GBハーネス
17	NGERH0049FCZZ	AD	DJ		A	Develop gear (36T)	DV ギヤー
18	NGERH0457FCZZ	AC	DD		A	DV drive gear R	DVクドウギヤー R
19	NPLYZ0258FCZZ	AC	DJ		A	Pulley 30P-B	プーリー30P-B
20	PCLR-0367FCZZ	AC	DD		B	Pulley	プーリーカラー
21	NSFTZ1986FCZZ	AH	DX	N	C	DR drive shaft	DRクドウジク
22	NGERH0849FCZZ	AE	DJ		A	30T gear	30Tギヤー
23	NSFTZ1987FCZZ	AH	DX	N	C	Paper feed drive shaft	キュウシクドウジク
24	NBLTH0183FCZZ	AK	EB		A	Drive belt A	クドウベルトA
25	LX-WZ0094FCZZ	AA	DD		B	Washer	ポリスライダー
26	NGERH0951FCZZ	AQ	EQ	N	A	Speed change gear	ヘンソクギヤー
27	CFRM-0737FC02	AV	FG	N	C	Main drive frame A	メインクドウフレームA
28	MSPRC2001FCZZ	AB	DD		A	Gear pressure spring 2	ギヤーアッチャクスプリング 2
29	LX-WZ0017FCZZ	AA	DD		B	Washer	ワッシャ
30	NGERH0848FCZZ	AC	DJ		A	Cleaner drive gear 22T	クリーナークドウギヤ22
31	NPLYZ0271FCZZ	AF	DS		A	Pully 30P-A	プーリー30P-A
32	NPLYZ0273FCZZ	AH	DX		A	Pulley 30P-B	プーリー30P-B
33	NGERH0847FCZZ	AD	DJ		A	HR drive gear 36T	HRクドウギヤ36
34	MSPRC1940FCZZ	AA	DD		A	Gear pressure spring	ギヤアッチャクスプリング
35	NGERH0111FCZZ	AD	DJ		A	Gear (24T)	ギヤー
36	LX-BZ0581FCZZ	AB	DD		B	Screw	ビス
37	NPLYZ0259FCZZ	AC	DD		A	Tension pulley 19	テンションプーリ19
38	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	ビス
39	MSPRC1980FCZZ	AB	DD		A	Tension spring	テンションスプリング
40	LX-BZ0659FCZZ	AB	DD		B	Screw	ビス
41	CPLTM4036FC01	AH	DX		C	Tension plate A	テンションプレートA
42	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
43	LPLTM4107FCZZ	AC	DD		C	Tension plate B	テンションプレートB
44	NBRGC2019SCZZ	AC	DJ		B	Bearing (φ8)	ベアリング
45	CFRM-0738FC01	AN	EQ		C	Main drive frame B	メインクドウフレームB
46	LPiNS0263FCZZ	AD	DJ		B	T type pin	Tガタピン
47	LPiNS0262FCZZ	AB	DD		B	Spring pin (φ3×9.5)	スプリングピン
48	LSTPP0279FCZZ	AB	DD		C	Stopper	ストッパー
49	PCLR-0377FCZZ	AC	DD		B	Gear collar	ヘンソクギヤーカラー
50	XWVSD40-05000	AA	DD		Y	Washer	キクワッシャ
51	LPiNS0278FCZZ	AB	DJ	N	B	Spring pin (φ3×11)	スプリングピン
52	LPiNS0264FCZZ	AB	DJ	N	B	Spring pin (φ3×9.5)	スプリングピン
53	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
	ユニット (Unit)						
901	DUNTM6599FCZZ	BQ	LX	N	E	Main drive unit	メインクドウユニット

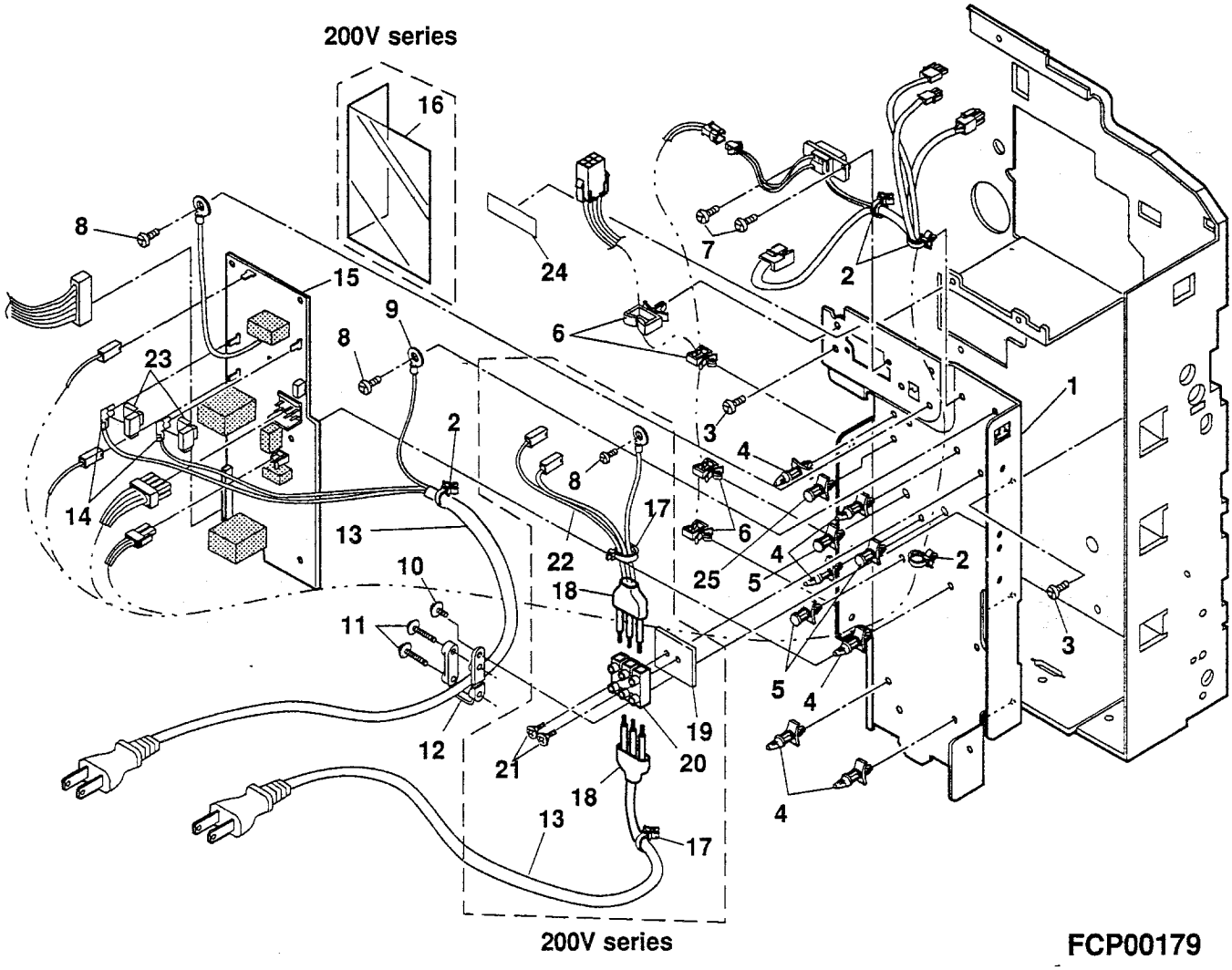
22 メイン駆動ユニット(Main drive unit)



23 AC回路台板ユニット(AC circuit base plate unit)

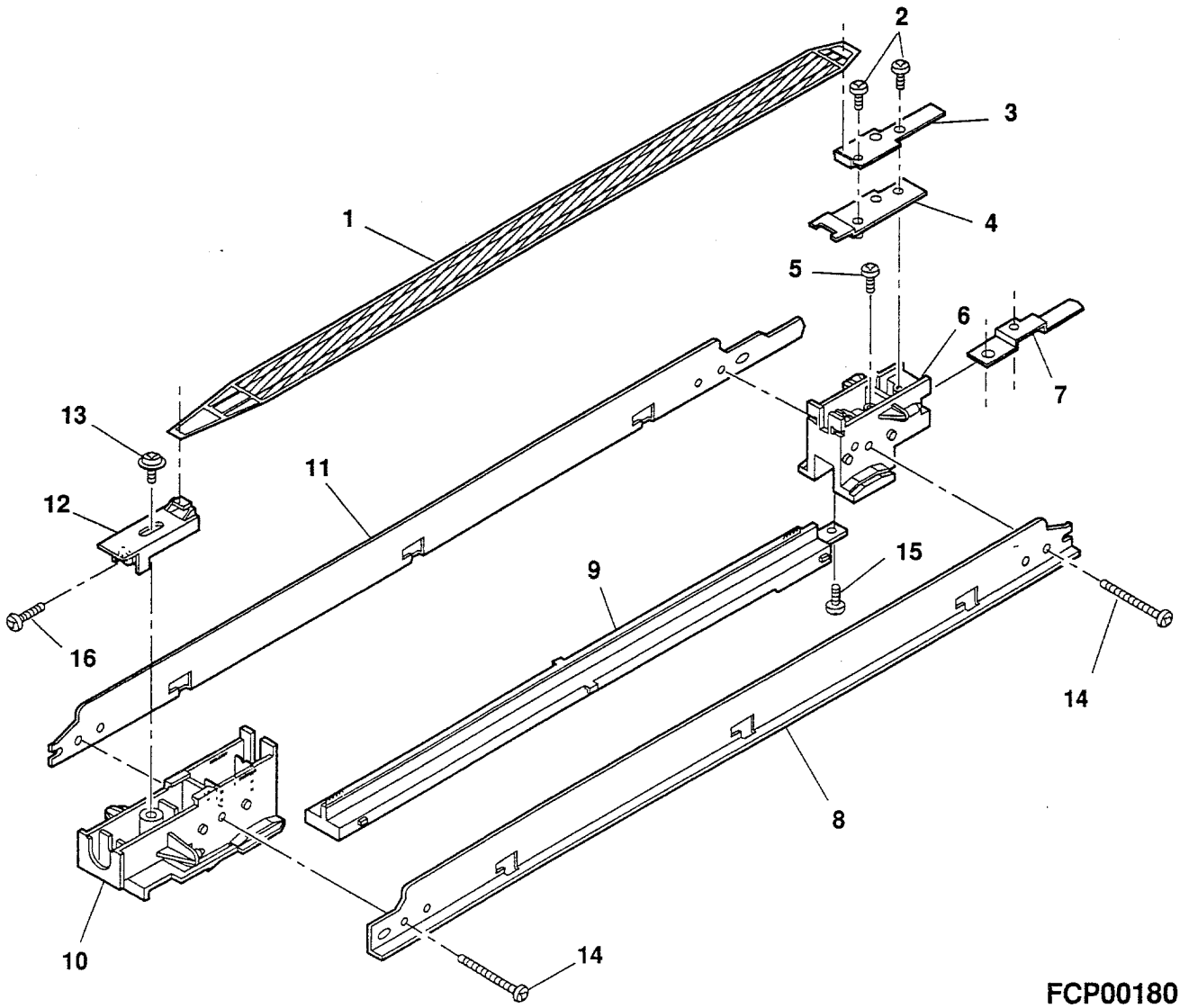
NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LDAiU0454FCZZ	AN	EQ		C	AC circuit base	ACカイロダイバン
2	LBNDJ0043FCZZ	AA	DD		Y	Snap band (SG−130)	スナップバンド
3	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
4	LSUPP0060FCZZ	AA	DD		C	PWB supporter (SPLS−6)	キバンサポーター
5	LSUPP0076FCZZ	AA	DD		C	PWB supporter (SPS−6)	キバンサポーター
6	LHLDW1151FCZZ	AB	DD	N	C	Wire holder (WWS−2) (SF−2035H)	ワイヤーサドル
	LHLDW0898FCZZ	AA	DD		C	Wire holder (WS−2)	ワイヤーサドル
7	LX−BZ0102FCZZ	AA	DD		B	Screw (4×10)	ビス
8	XBPBZ40P06K00	AA	DD		Y	Screw (4×6K)	ビス
9	QTANP0176FCZZ	AB	DD		C	Terminal (V2−M4)(100V series)	タンシ
10	XBPSD40P08KS0	AA	DD		Y	Screw (4×8KS)	ビス
11	XBPSD40P25XS0	AA	DD		Y	Screw (4×25XS)(USA,CANADA,Barbados,Costa Rica,Brazil)	ビス
	XBPSD40P20XS0	AA	DD		Y	Screw (4×20XS)(Other countries)	ビス
12	LFiX−0084FCZZ	AC	DD		C	AC Cord holder (USA,CANADA Barbados,Costa Rica,Brazil)	AC コードオサエ
	LFiX−0016FCZZ	AD	DJ		C	AC Cord holder (Other countries)	AC コードオサエ
⚠	QACCJ3410QCZZ	AS	EZ		Y	AC cord(Japan,Dominica,Middle America,Colombia, Venezuela,Taiwan,Ecuador,Indonesia,philippines)	ACコード
⚠	QCNW−0069FCZZ	AC	DD		Y	Earth wire(Japan,Dominica,Middle America, Ecuador,Indonesia,Colombia,Venezuela,Taiwan)	アースワイヤー
⚠	QACCD7412QCN3	AS	FG		Y	AC cord (USA,CANADA,Barbados,Costa Rica,Brazil)	ACコード
⚠	QACCL8421QCZZ	AW	FX		Y	AC cord (Australia)	ACコード
⚠	QACCV6420QCN2	AU	FQ		Y	AC cord(SEEG,Paraguay,Argentine,Pakistan,Indonesia,Greece, Lebanon,Iran,Iraq,Nigeria,Turkey,West Africa,Algeria,Thailand	ACコード
⚠	QACCV6420QCN2	AU	FQ		Y	AC cord(Korea,Egypt,Jordan,syria,U.A.E,Tunisia, Morocco,India,Bangladesh,Uruguay,Oman,Katr)	ACコード
⚠ 13	QCNW−0001QCZZ	AN	EQ		Y	AC wire(U,Kingdom,Cyprus,Malaysia,Bahrain,Kuwait,North Yemen, Saudi Arabia,South Africa,Sri Lanka,Hong Kong,Israrl)	ACワイヤー
⚠	QCNW−0001QCZZ	AN	EQ		Y	AC wire (Singapore)	ACワイヤー
⚠	QPLGA0005QCZZ	AN	EQ		Y	AC plug(U,Kingdom,Cyprus,Malaysia, Bahrain,Kuwait,North Yemen,Saudi Arabia)	ACプラグ
⚠	QCNW−0131FCZZ	AU	FQ		Y	AC wire (Chile,Peru)	ACワイヤー(マル4−2P)
⚠	QCNW−0120FCZZ	AU	FQ		Y	AC wire (Saudi Arabia)	ACワイヤー
⚠	QPLGA0002QCZZ	AN	EQ		Y	AC plug (Saudi Arabia)	ACプラグ
⚠	QTANP0096FCZZ	AA	DD		Y	AC terminal (Saudi Arabia)	センカコウタンシ
⚠	PHOG−1023CCZZ	AB	DD		Y	AC protect cover (South Africa,Sli Lanka,Hong Kong(SRH))	ACホゴブツ
⚠	QPLGA4171CCZZ	AN	EG		Y	AC plug (South Africa,Sli Lanka,Hong Kong(SRH))	ACプラグ(フトマル3)
⚠	QPLGA0001QCZZ	AN	EQ		Y	AC plug (Israel)	ACプラグ
⚠	QPLGA0003QCZZ	AN	EQ		Y	AC plug (Singapore(SRH))	ACプラグ
14	QTANP0178FCZZ	AB	DD		C	Terminal (175057−1)(100V series)	タンシ
⚠	CPWBF0971FC51	BP	LP	N	E	AC circuit PWB (Japan only)	ACカイロキバン J
⚠ 15	CPWBF0972FC5-1	BP	LP	N	E	AC circuit PWB (100V series)	ACカイロキバン100
⚠	CPWBF0973FC51	BS	NE	N	E	AC circuit PWB (200V series)	ACカイロキバン200
16	PSHEP3201FCZZ	AG	DX		A	AC protect sheet (200V series)	ACホゴマイラー
17	LBNDJ0013FCZZ	AA	DD		Y	Wire band (200V series)	ワイヤーバンド
18	PHOG−0346FCZZ	AB	DD		C	3P terminal base cover (200V series)	3Pタンシダイカバー
19	PSHEP1804FCZZ	AB	DD		A	3P terminal protect sheet (200V series)	3Pタンシホゴシート
20	QTANN0015FCZZ	AG	DS		C	3P terminal base (200V series)	3Pタンシダイ
21	XBPSD30P14000	AA	DD		Y	Screw (3×14)(200V series)	ビス
22	DHAi−2103FCZZ	AH	DX		C	3P terminal base harness (200V series)	3Pタンシダイハーネス
23	PHOG−0387FCZZ	AB	DD		C	Plug holder (176497−1)(100V series)	プラグホルダー
24	TCAUH0941FCZZ	AB	DD		C	Service caution label (U,Kingdom only)	サービスチュウイラベル
25	LSUPP0076FCZZ	AA	DD		C	PWB supporter (SPS−6)(Export)	キバンサポーター

23 AC回路台板ユニット(AC circuit base plate unit)



24 MCユニット(MC unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LPLTZ4069FCZZ	AK	EB		C	Grid	グリッド
2	XEPSD30P06000	AA	DD		Y	Screw (3×6)	ビス
3	QSLP-0158FCZZ	AF	DS		C	MC grid electrode	MCグリッドデンキョク
4	PCOVP1130FCZZ	AB	DD		C	MC cover R	MCカバーR
5	XBPSD30P10000	AA	DD		Y	Screw (3×10)	ビス
6	LHLDZ1095FCZZ	AD	DJ		C	MC holder R	MCホルダーR
7	QSLP-0157FCZZ	AE	DS		C	MC electrode	MCデンキョク
8	LPLTM4067FCZZ	AN	EG		C	MC plate R	MCプレートR
9	CPLTM4129FC01	AS	EZ		C	Plate	ノコバ
10	LHLDZ1094FCZZ	AD	DJ		C	MC holder F	MCホルダーF
11	LPLTM4068FCZZ	AM	EG		C	MC plate L	MCプレートL
12	LHLDZ0932FCYZ	AD	DJ		C	Grid holder	グリッドホルダー
13	LX-BZ4008SC0M	AA	DD		B	Screw (4×8)	ビス
14	XBPSD30P20000	AA	DD		Y	Screw (3×20)	ビス
15	XBPSD30P04000	AA	DD		Y	Screw (3×4)	ビス
16	XBBSD40P12000	AA	DD		Y	Screw (4×12)	ビス
	ユニット (Unit)						
901	CPLTM4067FC51	BB	GN		E	MC unit	MC ユニット



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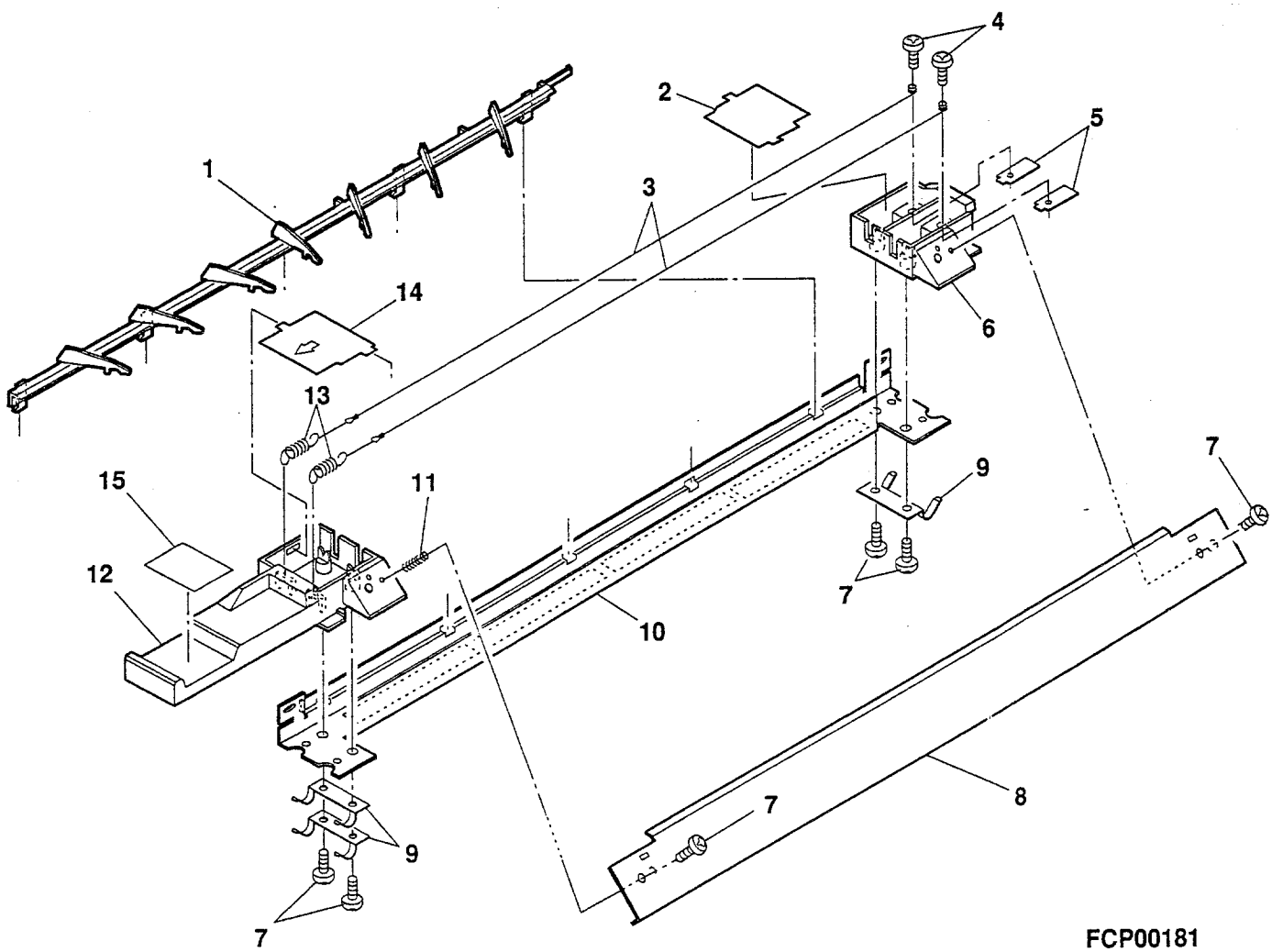
25 TCケースユニット(TC case unit)

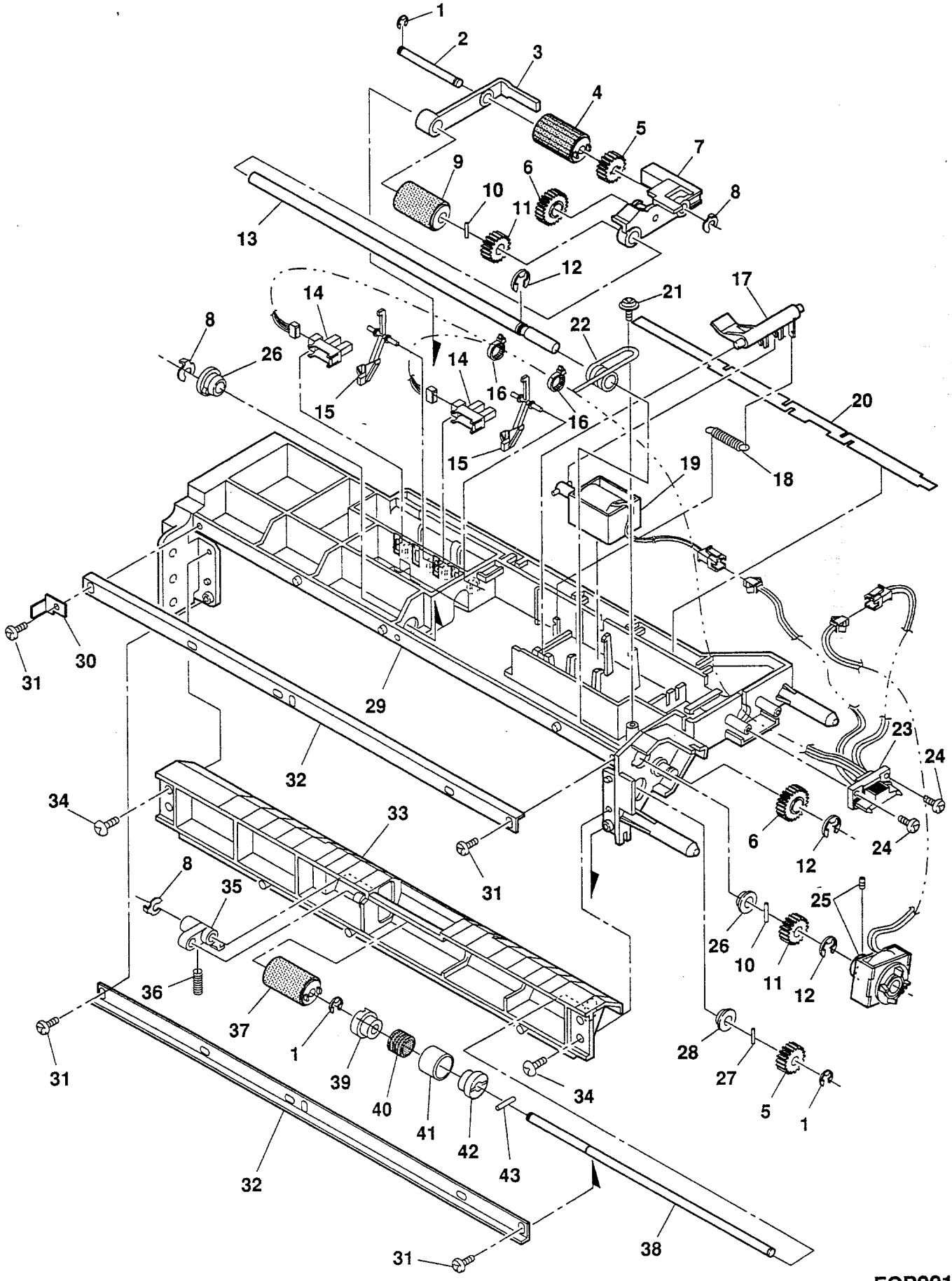
NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	PGiDM1342FCZZ	AE	DS		C	AC guide	ACガイド
2	PCOVP1135FCZZ	AB	DD		C	TC cover R	TCカバーR
3	DWiR-0466CSZZ	BG	HC		B	Charger wire	チャージャーセン
4	XBPSD30P08000	AA	DD		Y	Screw (3×8)	ビス
5	QSLP-0156FCZZ	AC	DJ		C	TC,AC electrode	TC,ACデンキョク
6	LHLDZ1146FCZ1	AE	DS	N	C	TC holder R	TCホルダーR
7	XEBSD30P06000	AA	DD		Y	Screw (3×6)	ビス
8	CGiDM1358FC02	AN	EG		C	TC guide	TCガイド
9	MSPRP1933FCZZ	AC	DD		A	Charger case plate spring	チャージャーケースイタバネ
10	PCASZ0235FCZZ	AL	EB		C	TC case	TCケース
11	MSPRP1550FCZZ	AA	DD		A	TC spring	TC スプリング
12	LHLDZ1145FCZ1	AK	EB	N	C	TC holder F	TCホルダーF
13	MSPRT0513FCZZ	AA	DD		A	MC tension spring	MC テンションバネ
14	PCOVP1134FCZZ	AB	DD		C	TC cover F	TCカバーF
15	TLABZ3356FCZZ	AC	DJ	N	C	Name label	ヒンバンラベル
	ユニット (Unit)						
901	CCASZ0235FC52	AY	FQ	N	E	TC case unit	TCケース ユニット



26 500カセット給紙ユニット(500 cassette paper feeding unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	XRESP50-06000	AA	DD		Y	E type ring	Eリング
2	NSFTZ1766FCZZ	AD	DJ		C	Pick up roller shaft	ピックアップローラーシャフト
3	MLEVP0589FCZZ	AC	DD		C	Pick up roller lever L	ピックUPローラーレバー L
4	NROLR0920FCZZ	AK	EB		C	Pick up roller	ピックアップローラー
5	NGERH0863FCZZ	AB	DD		A	Pick up roller gear 18T	ピックUPローラーギヤー18T
6	NGERH0862FCZZ	AB	DD		A	Idle gear 20T	アイドルギヤー20T
7	MLEVP0586FCZZ	AC	DJ		C	Pick up roller lever R	ピックUPローラーレバー R
8	LSTPP0279FCZZ	AB	DD		C	Stopper	ストッパー
9	NROLR0901FCZZ	AR	EZ		A	Paper feeding roller	キュウシローラー
10	LPiNS0096FCZZ	AB	DD		B	Pin (3×12)	ヘイコウピン
11	NGERH0861FCZZ	AB	DD		A	Paper feed roller gear 18T	キュウシローラーギヤー18T
12	XRESP70-08000	AA	DD		Y	E type ring	Eリング
13	NSFTZ1764FCZZ	AM	EG		C	Paper feeding roller shaft	キュウシローラシャフト
14	VHPGP1A71A1-1	AG	DX		A	Photo transistor (GP1A71A1)	フォトトランジスター
15	MLEVP0601FCZZ	AC	DJ		B	Sensor lever	センサーレバー
16	LBNDJ0043FCZZ	AA	DD		Y	Snap band (SG-130)	スナップバンド
17	MLEVP0588FCZZ	AB	DD		B	Solenoid lever	ソレノイドレバー
18	MSPRC1942FCZZ	AB	DD		A	Solenoid lever spring	ソレノイドレバースプリング
19	RPLU-0278FCZZ	AQ	EQ		B	Pick up solenoid	ピックアップソレノイド
20	PCOVP1154FCZZ	AD	DJ		C	Cover	フセンカバー
21	XEPSD30P08X00	AA	DD		Y	Screw (3×8X)	ビス
22	MSPRC2012FCZZ	AD	DJ		A	Brake spring	ブレーキスプリング
23	DHAi-2049FCZZ	AQ	EZ		C	Paper feeding harness 1.2	キュウシハーネス1.2
24	XEBSD30P12000	AA	DD		Y	Screw (3×12)	ビス
25	PCLC-0208FCZZ	AW	FQ		B	Spring clutch	スプリングクラッチ
26	NBRGC0167FCZZ	AB	DD		B	PF bearng	PFジクウケ
27	LPiNS0134FCZZ	AB	DD		B	Pin (2-12)	ヘイコウピン
28	NBRGC0457FCZZ	AD	DJ		B	Bearing	ジクウケ
29	CBRC-0048FC01	AS	FG		C	Main bracket	メインブラケット
30	QEARB0054FCZZ	AC	DD		C	Earth spring	アーススプリング
31	XEBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
32	LPLTM4057FCZZ	AF	DS		C	Reinforce plate	ホキョウバン
33	PGiDM1344FCZZ	AM	EG		C	Lower guide	シタガイド
34	XEBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
35	CLEVP0587FC01	AE	DJ		C	Roller lever	ギャクテンローラーレバー
36	MSPRC1943FCZZ	AB	DD		A	Roller lever spring	ギャクテンローラーレバースプリング
37	NROLR0902FCZZ	AK	EB		A	Roller	ギャクテンローラー
38	NSFTZ1765FCZZ	AH	DX		C	Roller shaft	ギャクテンローラシャフト
39	CCLR-0372FC01	AH	DX		C	Collar	ショウゲツカラー
40	MSPRC1969FCZZ	AF	DS		A	Spring	トルクリミッタースプリング
41	PCOVP1142FCZZ	AC	DD		C	Cover	カバートルクリミッターカバー
42	PCLR-0373FCZZ	AC	DD		C	Collar	ジュシカラー
43	XPSSJ20-15000	AA	DD		Y	Pin	ピン
	ユニット (Unit)						
901	DUNT-6546FCZZ	BQ	MJ		E	500 Cassette paper feeding unit	500カセットキュウシユニット

26 500カセット給紙ユニット(500 cassette paper feeding unit)



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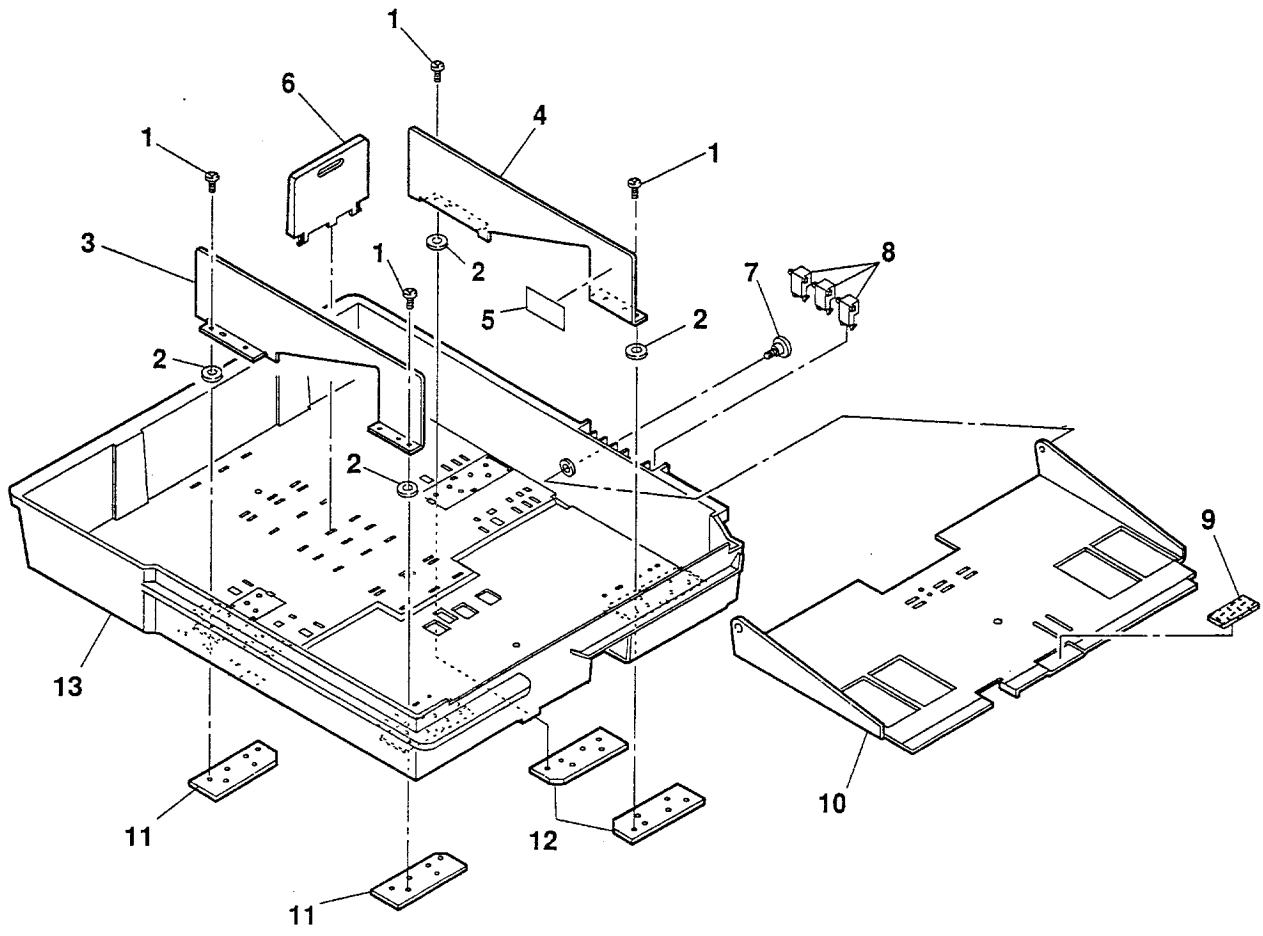
27 インナーカセット(Inner Cassette)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	XBPSD40P08000	AA	DD		Y	Screw (4×8)	ビス
2	LX-WZ0317FCZZ	AA	DD		B	Washer	ワッシャ
3	LPLTM4039FCZZ	AL	EB		C	Side plate F	ソクバンF
4	CPLTM4040FC01	AP	EQ		C	Side plate R	ソクバンR
5	TLABZ3020FCZZ	AC	DD		C	Indicator label	シジセンラベル
6	LPLTP4023FCZZ	AD	DJ		C	Rear plate	コウタンバン
7	LX-BZ0138FCZZ	AB	DD		B	Screw	ダンビス
8	LDAiU0449FCZZ	AC	DJ		C	Cassette size detection block	サイズケンチブロック
9	PSHEZ3130FCZZ	AB	DD		A	Rotation plate sheet	カイテンイタシートクラリノ
10	LPLTM4041FCZZ	AT	FQ		C	Rotation plate	カイテンバン
11	LPLTM4042FCZZ	AF	DS		C	Side plate fixing plate	ソクバンコテイバン
12	LPLTM4042FCZ1	AG	DX		C	Side plate fixing plate R	ソクバンコテイイタ R
13	GCASP0154FCZZ	AY	GD		C	Inner cassette case	インナーカセットホンタイ
	ユニット (Unit)						
901	CCASP0154FC31	BF	HG		E	A3 inner cassette unit (AB series)	インナーカセット ユニット A3
	CCASP0154FC32	BF	HG		E	W-LT inner cassette unit (inch series)	インナーカセット ユニット Wレター



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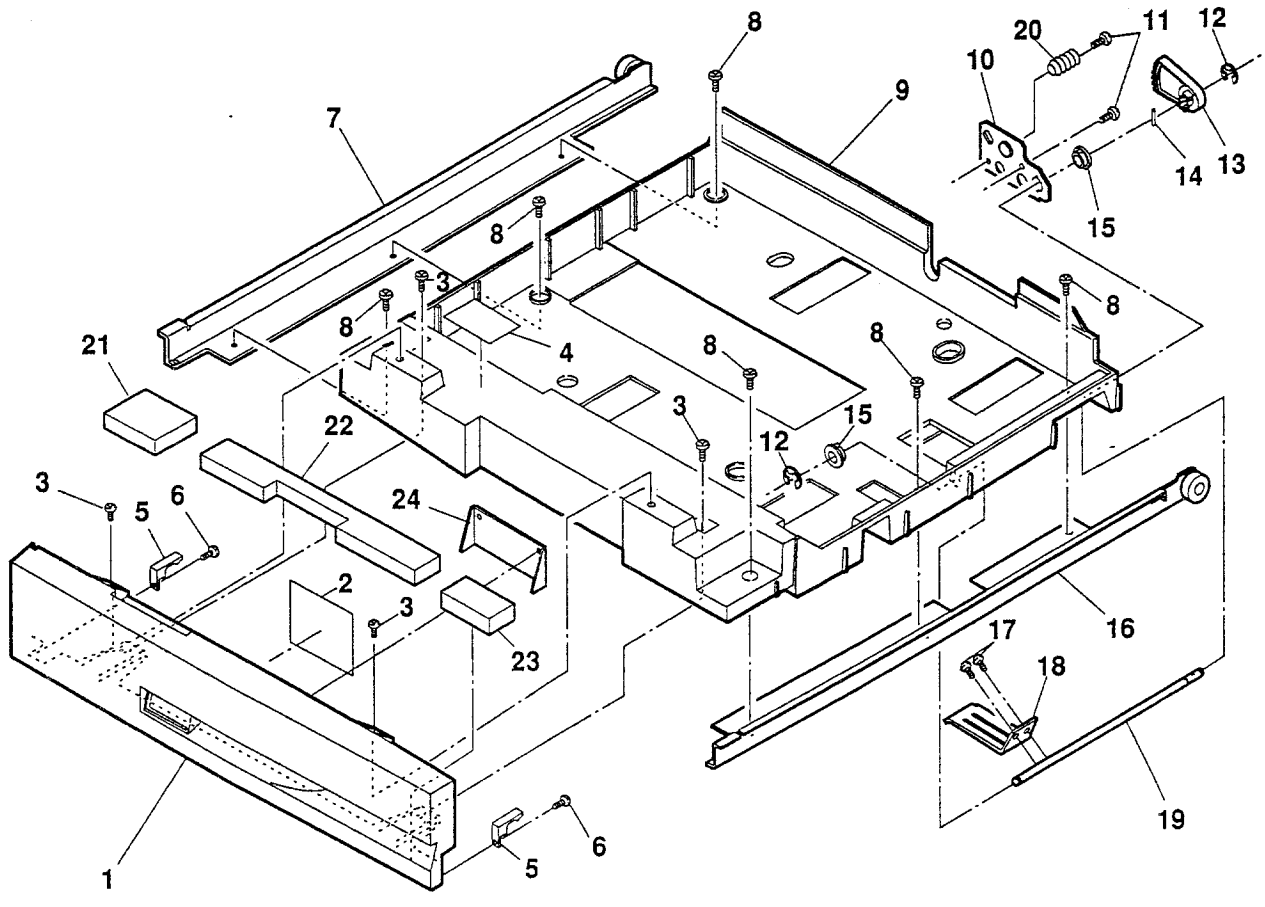
28 カセットドロアーユニット(Cassette drawer unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	JHNDP0107FCZZ	AW	FQ		C	Cassette handle	カセットトッテ
2	LPLTP4070FCZZ	AM	EG		C	Cassette size display plate A3 (Japan only)	サイズヒョウジバン A3
	LPLTP4070FCZ1	AK	EB		C	Cassette size display plate A3 (Export･･AB series)	サイズヒョウジバン A3
	LPLTP4070FCZ2	AK	EB		C	Cassette size display plate W-LT (inch series)	サイズヒョウジバン Wレター
3	XBTSE40P08000	AA	DD		Y	Screw (4×8)	ビス
4	TLABZ3105FCZZ	AD	DJ		C	Cassette instruction label	カセットセツメイラベル
5	PTME-0223FCZZ	AD	DJ		C	Cassette lock pawl	カセットロックツメ
6	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
7	CRALM0111FC01	AQ	EZ		C	Cassette rail L (small)	カセットレール L(ショウ)
8	XBTSD40P06000	AA	DD		Y	Screw (4×6)	ビス
9	GCASP0155FCZZ	BA	GJ		C	Drawer case	ドロアホンタイ
10	LPLTM4044FCZZ	AF	DS		C	Drawer base plate	ドロアベースバン
11	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
12	XRESP60-08000	AA	DD		Y	E type ring	Eリング
13	NGERH0859FCZZ	AD	DJ		A	Gear	センケイギヤー
14	LPINS0157FCZZ	AB	DD		B	Pin (φ3L14)	ヘイコウピン
15	NBRGC0167FCZZ	AB	DD		B	PF bearing	PFジクウケ
16	CRALM0110FC01	AQ	EZ		C	Cassette rail R (small)	カセットレール R(ショウ)
17	XBPSD30P08KS0	AA	DD		Y	Screw (3×8KS)	ビス
18	LPLTM4043FCZZ	AF	DS		C	Lift plate	リフトプレート
19	NSFTZ1760FCZZ	AM	EG		C	Lift shaft	リフトシャフト
20	QEARB0056FCZZ	AA	DD		C	Earth spring	500カセアーススプリング
21	PMLT-0884FCZZ	AC	DJ		A	Cassette cushion Right (Japan only)	カセットシャオンフォーム R
22	PMLT-0886FCZZ	AK	EB		A	Cassette cushion Center (Japan only)	カセットシャオンフォーム ナカ
23	PMLT-0885FCZZ	AC	DD		A	Cassette cushion Left (Japan only)	カセットシャオンフォーム L
24	PFTA-0096FCZZ	AF	DS	N	C	Cassette handle cover	カセットトッテフタ

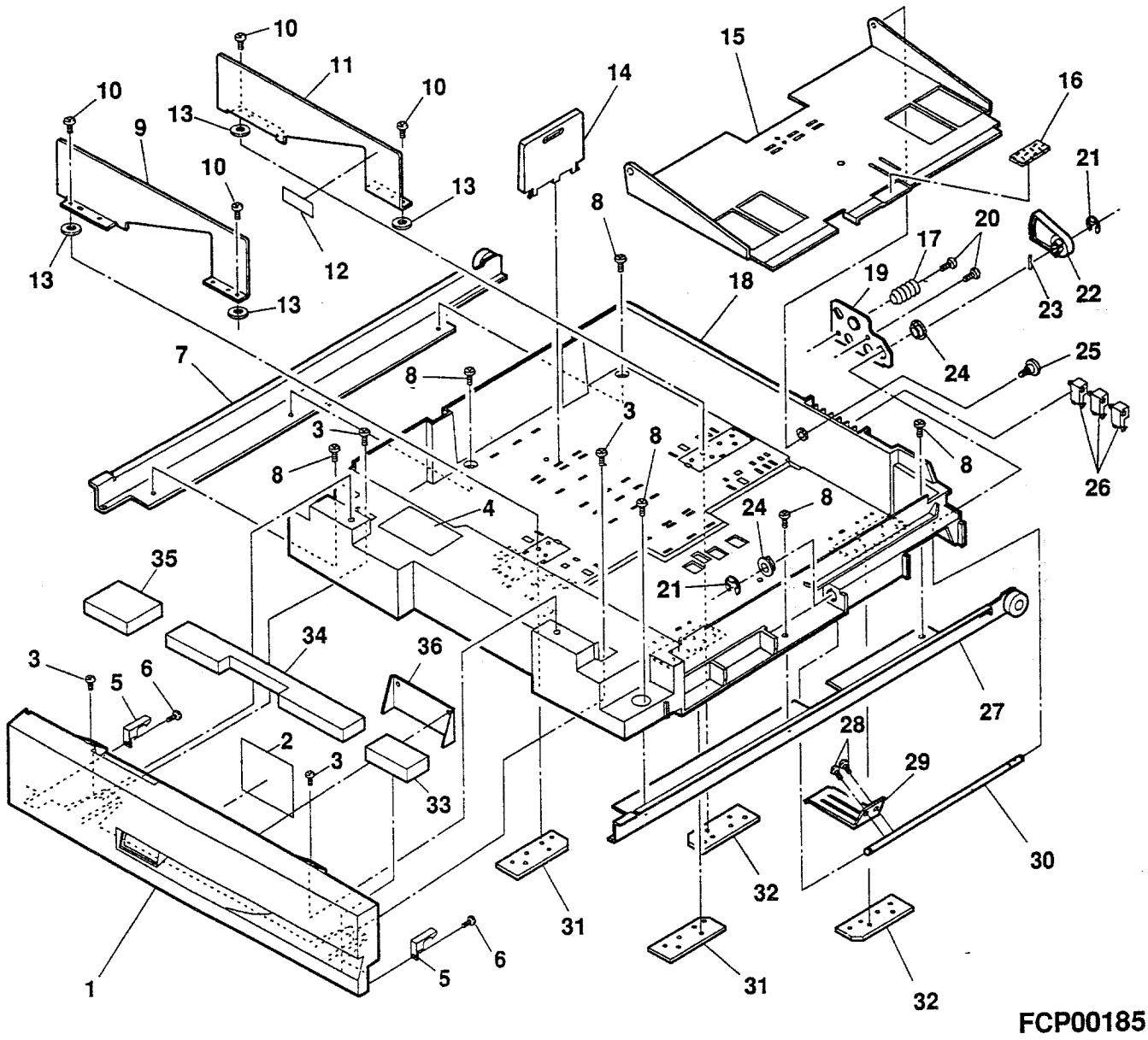


FCP00184

29 カセット一体ドロアーユニット(国内,台湾)(Cassette assembly drawer unit(Japan,Taiwan))

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	JHNDP0107FCZZ	AW	FQ		C	Cassette handle	カセットトッテ
2	LPLTP4070FCZZ	AM	EG		C	Cassette size display plate (Japan only)	サイズヒョウジイタ
	LPLTP4070FCZ1	AK	EB		C	Cassette size display plate (Taiwan only)	サイズヒョウジイタ
3	XBTSE40P08000	AA	DD		Y	Screw (4×8)	ビス
4	TLABZ3105FCZZ	AD	DJ		C	Cassette instruction label	カセットセツメイラベル
5	PTME-0223FCZZ	AD	DJ		C	Cassette lock pawl	カセットロックツメ
6	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
7	CRALM0111FC01	AQ	EZ		C	Cassette rail L(small)	カセットレール L(ショウ)
8	XBTSD40P06000	AA	DD		Y	Screw (4×6)	ビス
9	LPLTM4039FCZZ	AL	EB		C	Side plate F	ソクバンF
10	XBPSD40P08000	AA	DD		Y	Screw (4×8)	ビス
11	CPLTM4040FC01	AP	EQ		C	Side plate R	ソクバンR
12	TLABZ3020FCZZ	AC	DD		C	Label	シジセンラベル N1
13	LX-WZ0317FCZZ	AA	DD		B	Washer	ワッシャ
14	LPLTP4023FCZZ	AD	DJ		C	Rear plate	コウタンバン
15	LPLTM4041FCZZ	AT	FQ		C	Rotation plate	カイテンバン
16	PSHEZ3130FCZZ	AB	DD		A	Rotation plate sheet	カイテンイタシートクラリーノ
17	QEARB0056FCZZ	AA	DD		C	Earth spring	500カセアーススプリング
18	GCASP0156FCZZ	BB	GN		C	Cassette drawer case	カセットイッタイドロアケース
19	LPLTM4044FCZZ	AF	DS		C	Drawer base plate	ドロアベースバン
20	XEPSD40P10000	AA	DD		Y	Screw (4×10)	ビス
21	XRESP60-08000	AA	DD		Y	E type ring	Eリング
22	NGERH0859FCZZ	AD	DJ		A	Gear	センケイギヤ
23	LPINS0157FCZZ	AB	DD		B	Pin (φ3L14)	ヘイコウピン
24	NBRGC0167FCZZ	AB	DD		B	PF bearing	PFジクウケ
25	LX-BZ0138FCZZ	AB	DD		B	Screw	ダンビス
26	LDAIU0449FCZZ	AC	DJ		C	Cassette size detection block	サイズケンチブロック
27	CRALM0110FC01	AQ	EZ		C	Cassette rail R(small)	カセットレール R(ショウ)
28	XBPSD30P08KS0	AA	DD		Y	Screw (3×8KS)	ビス
29	LPLTM4043FCZZ	AF	DS		C	Lift plate	リフトプレート
30	NSFTZ1760FCZZ	AM	EG		C	Lift shaft	リフトシャフト
31	LPLTM4042FCZZ	AF	DS		C	Side plate fixing plate	ソクバンコテイバン
32	LPLTM4042FCZ1	AG	DX		C	Side plate fixing plate R	ソクバンコテイバン R
33	PMLT-0885FCZZ	AC	DD		A	Cassette cushion Left (Japan only)	カセットシャオンフォーム L
34	PMLT-0886FCZZ	AK	EB		A	Cassette cushion Center (Japan only)	カセットシャオンフォーム ナカ
35	PMLT-0884FCZZ	AC	DJ		A	Cassette cushion Right (Japan only)	カセットシャオンフォーム R
36	PFTA-0096FCZZ	AF	DS	N	C	Cassette handle cover	カセットトッテフタ
	ユニット (Unit)						
901	CCASP0156FC31	BR	MW		E	B5 Cassette drawer case unit (Japan only)	B5カセット1ドロアケースユニット
	CCASP0156FC34	BR	MW		E	A4R Cassette drawer case unit (Taiwan only)	A4Rカセット1ドロアケースユニット

29 カセット一体ドロアーユニット(国内,台湾)(Cassette assembly drawer unit(Japan,Taiwan))



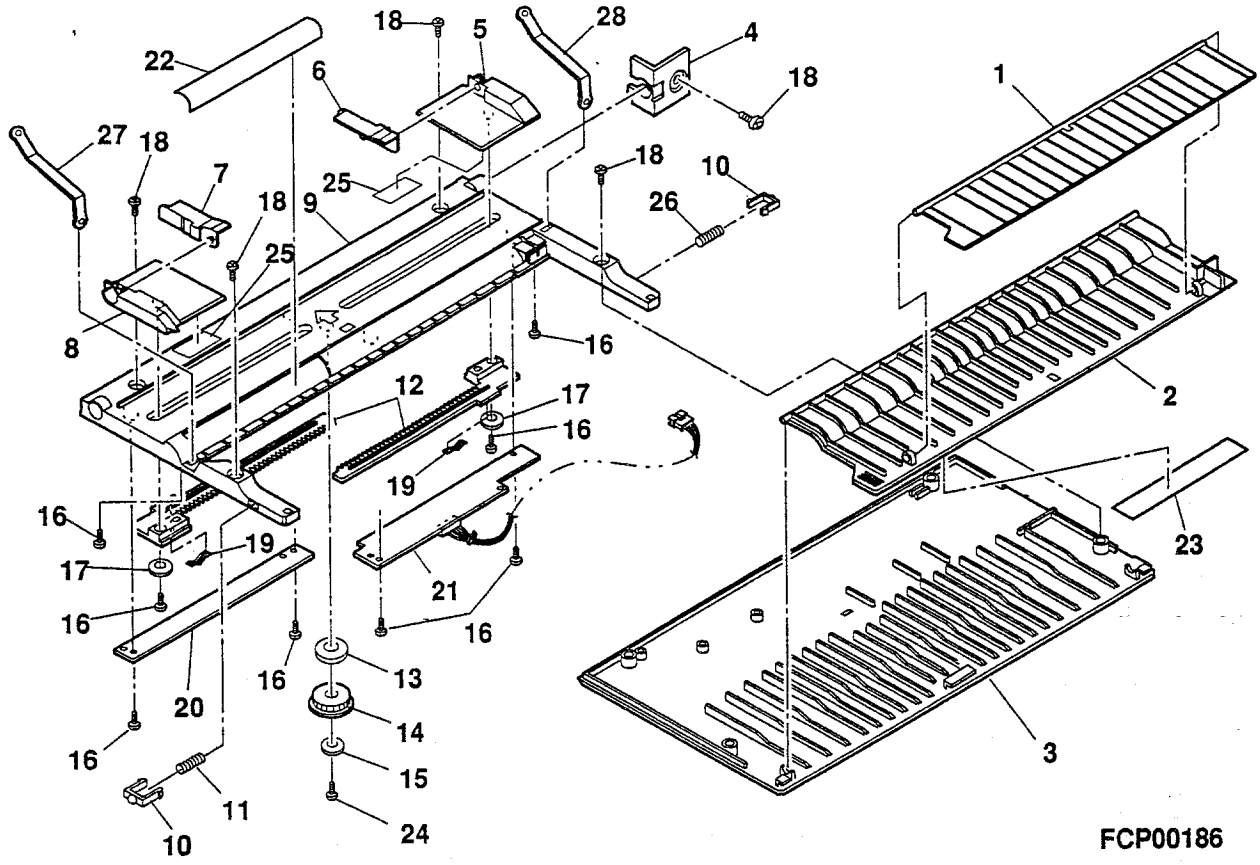
30 手差しマルチトレイユニット‥国内専用(Manual paper feeding multi tray unit‥Japan only)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LSOU-0102FCZZ	AG	DX		C	Tray 3	トレイ3
2	LSOU-0101FCZ1	AP	EQ	N	C	Tray 2	トレイ2
3	LSOU-0100FCZ1	AR	EZ	N	C	Manual feed tray lower	テサシトレイ シタ
4	LHLDZ1090FCZZ	AC	DJ		C	Manual feed tray fulcrum holder R	テサシトレイシテンホルダーR
5	PGiDM1349FCZZ	AD	DJ		C	Manual feed guide A R	テサシガイド A R
6	PGiDM1351FCZZ	AD	DJ		C	Manual feed guide B R	テサシガイド B R
7	PGiDM1352FCZZ	AD	DJ		C	Manual feed guide B L	テサシガイド B L
8	PGiDM1350FCZZ	AD	DJ		C	Manual feed guide A L	テサシガイド A L
9	LSOU-0099FCZ2	AQ	EQ	N	C	Manual feed tray upper	テサシトレイ ウエ
10	PTME-0222FCZZ	AC	DJ		C	Lock pawl	ロックヅメ
11	MSPRC1968FCZZ	AA	DD		A	Lock spring	ロックスプリング
12	NGERR0878FCZZ	AD	DJ		A	Manual feeding gear	テサシラック
13	PSHEZ1760FCZZ	AB	DD		A	Manual feed gear brake sheet	テサシギヤーブレーキシート
14	NGERH0193FCZZ	AB	DD		A	UC manual feed gear	UCテサシギヤー
15	XWHSD30-08100	AA	DD		Y	Washer	ワッシャ
16	XEBSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Pタイト)
17	XWHSD30-05070	AA	DD		Y	Washer	ワッシャ
18	XEBSE30P08000	AA	DD		Y	Screw (3×8)	ビス
19	QCNTM1043CCZZ	AB	DD		C	Slide switch contact	スライドスイッチヨウ セッショクタンシ
20	LPLTK4188FCZZ	AD	DJ		C	Guide adjusting plate 1	ガイドカジュチョウセイイタ 1
21	CPWBF0995FC32	AR	EQ	N	E	Manual paper feeding size PWB	テサシサイズキバン
22	TLABZ3086FCZZ	AC	DD		C	Manual feed size label	テサシサイズラベルJ
23	TLABZ3347FCZZ	AC	DJ	N	C	Manual feed size assistance label	テサシサイズホジョラベルJ
24	XEBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
25	PSHEZ3236FCZZ	AA	DD		A	Manual feed guide brake sheet	テサシガイドブレーキシート
26	MSPRC2023FCZZ	AB	DD		A	Lock spring 2	ロックスプリング 2
27	LBNDJ0060FCZ1	AC	DJ	N	Y	Tray band F	トレイバンドF
28	LBNDJ0061FCZ1	AC	DJ	N	Y	Tray band R	トレイバンドR
29	LX-BZ0636FCZZ	AA	DD		B	Screw	ビス
	ユニット (Unit)						
901	CSOU-0099FC35	BE	GN	N	E	Manual paper feeding multi tray unit	テサシマルチトレイユニット J

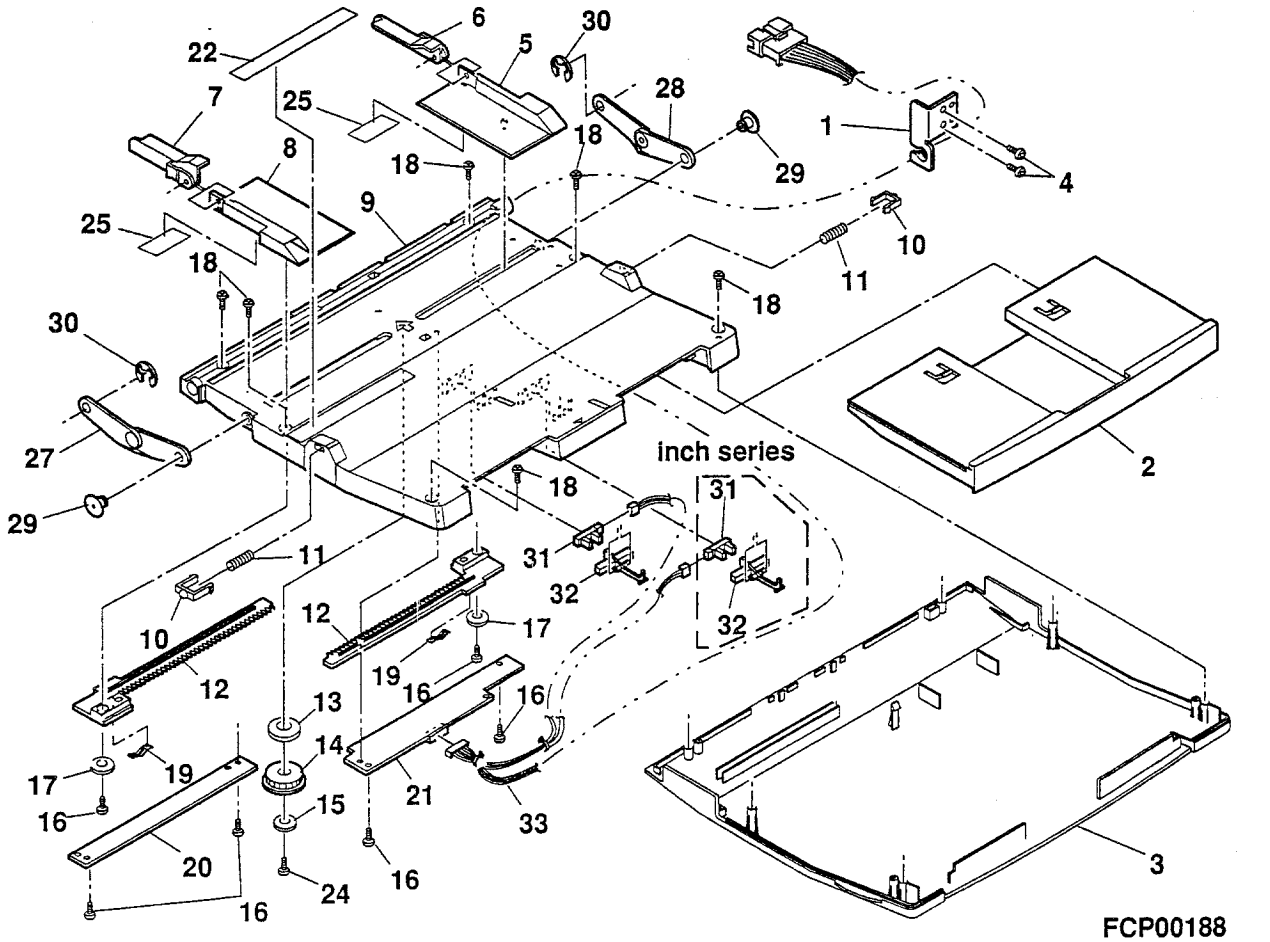
31 手差しマルチトレイユニット‥海外(Manual paper feeding multi tray unit‥Export)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	LHLDZ1144FCZZ	AC	DJ	N	C	Manual feed tray fulcrum holder R	テサシトレイシテンホルダー R
2	LSOU-0118FCZZ	AQ	EQ	N	C	Tray 2	トレイ2
3	LSOU-0117FCZZ	AW	FG	N	C	Manual feed tray lower	テサシトレイ シタ
4	XHBSE40P10000	AA	DD		Y	Screw (4×10)	ビス
5	PGiDM1455FCZZ	AE	DS	N	C	Manual feed guide A R	テサシガイド A R
6	PGiDM1457FCZZ	AD	DJ	N	C	Manual feed guide B R	テサシガイド B R
7	PGiDM1458FCZZ	AD	DJ	N	C	Manual feed guide B L	テサシガイド B L
8	PGiDM1456FCZZ	AE	DS	N	C	Manual feed guide A L	テサシガイド A L
9	LSOU-0116FCZZ	AW	FG	N	C	Manual feed tray upper	テサシトレイ ウエ
10	PTME-0222FCZZ	AC	DJ		C	Lock pawl	ロックヅメ
11	MSPRC1968FCZZ	AA	DD		A	Lock spring	ロックスプリング
12	NGERR0878FCZZ	AD	DJ		A	Manual feeding gear	テサシラック
13	PSHEZ1760FCZZ	AB	DD		A	Manual feed gear brake sheet	テサシギヤーブレーキシート
14	NGERH0193FCZZ	AB	DD		A	UC manual feed gear	UCテサシギヤー
15	XWHSD30-08100	AA	DD		Y	Washer	ワッシャ
16	XEBSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Pタイト)
17	XWHSD30-05070	AA	DD		Y	Washer	ワッシャ
18	XEBSE30P08000	AA	DD		Y	Screw (3×8)	ビス
19	QCNTM1043CCZZ	AB	DD		Y	Slide switch contact	スライドスイッチヨウ セッショクタンシ
20	LPLTK4188FCZZ	AD	DJ		C	Guide adjusting plate 1	ガイドカジュチョウセイイタ 1
21	CPWBF1009FC31	AS	EZ	N	E	Manual paper feeding size PWB (Export‥AB series)	テサシサイズキバン
	CPWBF0996FC31	AR	EQ	N	E	Manual paper feeding size PWB (Inch series)	テサシサイズキバン
22	TLABZ3087FCZZ	AC	DD		C	Manual feed size label (Export‥AB series)	テサシサイズラベル AB
	TLABZ3088FCZZ	AC	DD		C	Manual feed size label (Inch series)	テサシサイズラベル IN
24	XEBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
25	PSHEZ3236FCZZ	AA	DD		A	Manual feed guide brake sheet	テサシガイドブレーキシート
27	CARMM0164FC01	AM	EG	N	C	Manual paper feeding arm F	テサシアーム F
28	CARMM0165FC01	AM	EG	N	C	Manual paper feeding arm R	テサシアーム R
29	NSFTZ1864FCZZ	AF	DS	N	C	Manual paper feeding arm shaft 2	テサシアームジク 2
30	XREUW50-06000	AA	DD		Y	E type ring	Eリング
31	VHPGP1A71A1-1	AG	DX		A	Photo transistor (GP1A71A1)	フォトトランジスター
32	MLEVP0628FCZZ	AD	DS	N	C	Lever	アクチエーター
33	DHAi-2137FCZZ	AQ	EQ	N	C	Manual feed tray harness	テサシトレイハーネス
	ユニット (Unit)						
901	CSOU-0116FC31	BM	HZ	N	E	Manual paper feeding multi tray unit (Export‥AB series)	テサシマルチトレイユニット AB
	CSOU-0116FC32	BM	HV	N	E	Manual paper feeding multi tray unit (Inch series)	テサシマルチトレイユニット IN

30 手差しマルチトレイユニット・・国内専用(Manual paper feeding multi tray unit・・Japan only)



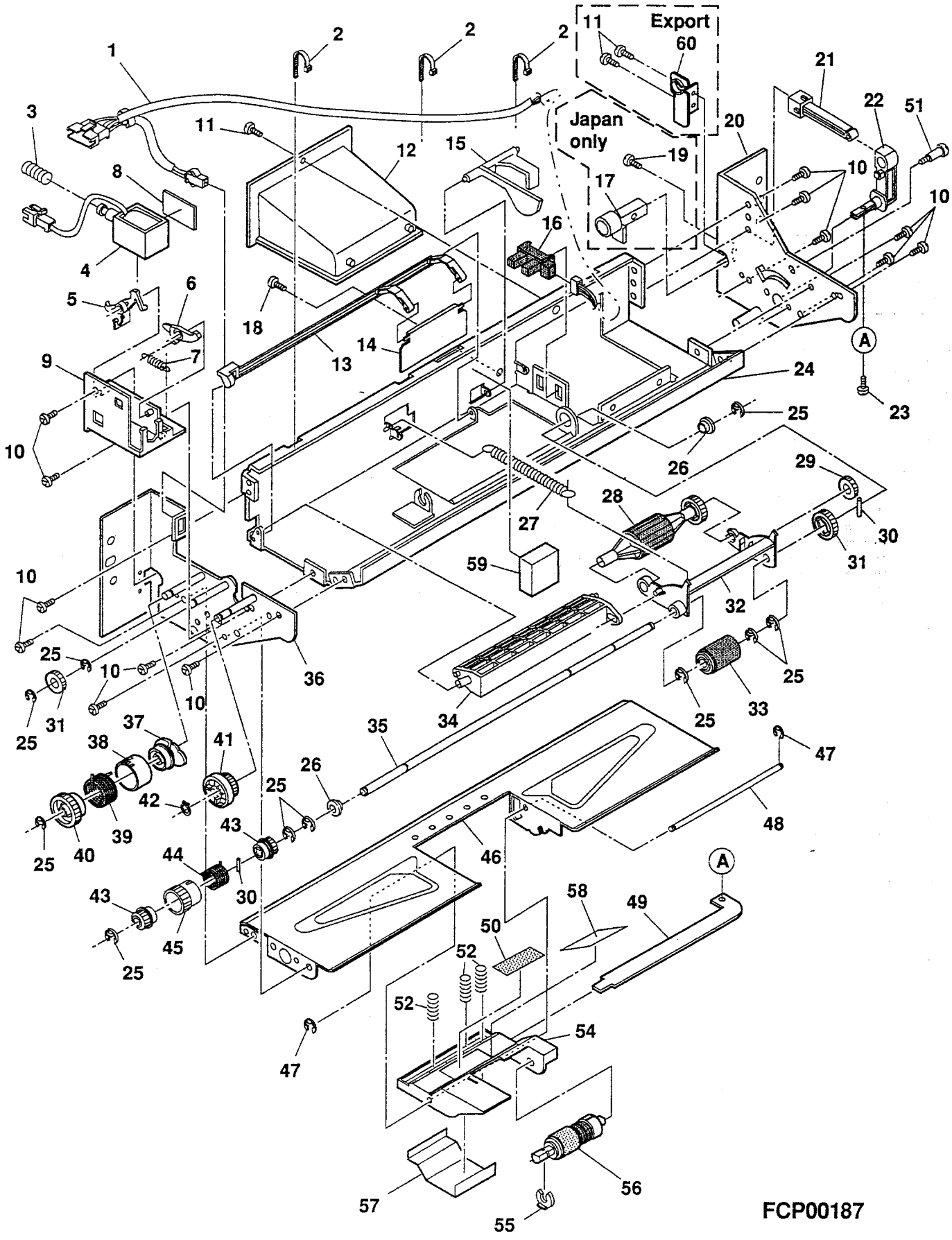
31 手差しマルチトレイユニット・・海外(Manual paper feeding multi tray unit・・Export)



32 手差しマルチ給紙ユニット(Manual multi paper feeding unit)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi-2055FCZZ	AK	EB		C	Manual feed multi interface harness	テサシマルチチュウケイハーネス
2	LBNDJ0013FCZZ	AA	DD		Y	Wire band	ワイヤーバンド
3	MSPRC1318FCZZ	AA	DD		A	Spring B	テサシスプリングB
4	RPLU-0279FCZZ	AN	EG		B	Manual feeding solenoid	テサシソレノイド
5	MLEVP0484FCZZ	AB	DD		B	Manual paper feeding lever	テサシラッチ
6	PTME-0178FCZZ	AC	DD		C	Manual paper feeding pawl A	テサシラッチ A
7	MSPRC1317FCZZ	AA	DD		A	Spring A	テサシスプリングA
8	PSHEP2511FCZZ	AB	DD		A	Manual feeding sheet C	テサシマイラーC
9	LFRM-0745FCZZ	AE	DJ		C	Manual feed solenoid frame	テサシソレノイドフレーム
10	XHBSD30P06000	AA	DD		Y	Screw (3×6)	ビス(Sタイト)
11	XHBSD40P10000	AA	DD		Y	Screw (4×10)	ビス
12	PGiDM1373FCZZ	AF	DS		C	Manual feed paper guide M	テサシペーパーガイド M
13	MARMP0116FCZZ	AC	DJ		C	Manual paper feed arm A	テサシアーム A
14	LSTPP0278FCZZ	AC	DD		B	Manual feed stopper	テサシストッパー
15	MLEVP0609FCZZ	AC	DD		C	MF PE lever	テサシPEアクチエータ
16	VHPGP1A71A1-1	AG	DX		A	Photo sensor (GP1A71A1)	フォトセンサー
17	LHLDZ1089FCZZ	AC	DJ		C	Manual feed tray fulcrum holder F (Japan only)	テサシトレイシテンホルダーF
18	XHBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
19	XHBSD40P12000	AA	DD		Y	Screw (4×12)	ビス
20	CFRM-0743FC01	AG	DX		C	Manual feeding frame F (Japan only)	テサシフレームF
	CFRM-0743FC02	AM	EG	N	C	Manual feeding frame F (Export)	テサシフレームF
21	MLEVP0592FCZZ	AC	DD		C	Release lever A	アツカイジョレバーA
22	MLEVP0593FCZZ	AC	DD		C	Release lever B	アツカイジョレバーB
23	XEBSD30P08000	AA	DD		Y	Screw (3×8)	ビス
24	PGiDH1361FCZZ	AP	EQ		C	Manual feeding paper guide upper	テサシペーパーガイドウエ
25	XRESP40-06000	AA	DD		Y	4E-Type ring	Eリング
26	NBRGP0266FCZZ	AA	DD		B	Bearing (φ5)	ジクウケ
27	MSPRC1442FCZZ	AB	DD		A	Roller spring	ローラーホジョスプリング
28	CRŌLP0921FC01	AM	EG		C	Manual feed take-up roller	テサシヨビコミローラ
29	NGERH0892FCZZ	AB	DD		A	16T gear	16Tギヤー
30	LPiNS0165FCZZ	AB	DD		B	Pin (02×8)	ヘイコウピン
31	NGERH0495FCZZ	AC	DD		A	Gear (20T)	ギヤー
32	MARMP0118FCZZ	AC	DJ		C	Manual paper feed arm C	テサシアーム C
33	NRŌLR0922FCZZ	AR	EZ		C	Manual paper feed roller	テサシローラー
34	MARMP0117FCZ1	AD	DS		C	Manual paper feed arm B	テサシアーム B
35	NSFTZ1774FCZZ	AH	DX		C	Manual feed roller shaft	テサシローラージク
36	CFRM-0744FC01	AM	EG		C	Manual feeding frame R (Japan only)	テサシフレームR
	CFRM-0744FC02	AT	EZ	N	C	Manual feeding frame R (Export)	テサシフレームR
37	LBŌSZ1125FCZZ	AC	DD		C	Manual feed Clutch boss	テサシクラッチボス
38	PPiPP0124FCZZ	AB	DD		B	Manual feed CL sleeve	テサシCLスリーブ
39	MSPRC1544FCZZ	AE	DS		A	Manual feed Clutch spring	テサシクラッチスプリング
40	LBŌSZ1124FCZZ	AF	DS		C	Manual feed CL boss 36T	テサシCLボス 36T
41	NGERH0864FCZZ	AC	DD		A	Gear 24T	ニュウリョクギヤー24
42	PRNGP0019FCZZ	AA	DD		A	V ring (GTW-6)	Vリング
43	LBŌSZ0979FCZZ	AF	DS		C	Clutch boss A	テサシクラッチボス A
44	MSPRC1315FCZZ	AD	DJ		A	Clutch spring A	テサシクラッチスプリングA
45	PPiPP0109FCZZ	AB	DD		B	Pipe A	テサシクラッチスリーブAパイプ
46	PGiDH1362FCZZ	AM	EG		C	Manual feeding paper guide lower	テサシペーパーガイドシタ
47	XRESP30-06000	AA	DD		Y	E type ring	Eリング
48	NSFTZ1806FCZZ	AD	DJ		C	Pressure plate shaft	アツセツバンジク
49	LFRM-0746FCZZ	AC	DD		C	Joint frame	レンケツフレーム
50	PSHEZ3143FCZ1	AB	DJ	N	A	Manual feed sheet	テサシシート
51	LX-BZ0687FCZZ	AC	DD		B	Screw	ビス
52	MSPRC2027FCZZ	AA	DD		A	Pressure plate spring 2	アツセツバンスプリング2
54	LPLTP4026FCZZ	AD	DJ		C	Roller pressure plate	ギャクテンローラーアツセツイタ
55	LSTPP0274FCZZ	AA	DD		B	Reversing roller stopper	ギャクテンローラストッパー
56	CSFTZ1771FC31	AT	FG		A	Reversing roller shaft unit	ギャクテンローラジクユニット
57	PSHEZ3252FCZZ	AE	DS	N	A	Pressure plate sheet	アッセツバンシート
58	PSHEP3283FCZZ	AB	DD		A	Manual feed sheet	テサシマイラー
59	PSHEZ3317FCZZ	AB	DJ	N	A	Gate stopper worm sheet (Japan only)	ゲートストップフォームシート
60	CHLDZ1143FC01	AE	DS	N	C	Manual feed tray fulcrum holder F (Export)	テサシトレイシテンホルダー F
	ユニット (Unit)						
901	DUNT-6547FCZZ	BQ	MJ		E	Manual paper feeding multi PS unit (Japan only)	テサシマルチキュウシユニット
	DUNT-6609FCZZ	BR	MJ	N	E	Manual paper feeding multi PS unit (Export)	テサシマルチキュウシユニット

32 手差しマルチ給紙ユニット(Manual multi paper feeding unit)



33 メイン基板(Main PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi−2204FCZZ	AB	DJ	N	C	Main PWB interface harness	メインキバンチュウケイハーネス
2	PRDAR0055FCZZ	AC	DJ		C	Heat sink	ホウネツバン
3	PSHEP3223FCZZ	AB	DD		A	IC socket protect sheet	ICソケットホゴシート
4	QCNCM0799FCZZ	AE	DS		Y	Connector (18pin) [CN−L]	コネクター
5	QCNCM0800FCZZ	AE	DS		Y	Connector (24pin) [CN−F,CN−K]	コネクター
6	QCNCM0806FCZZ	AE	DS		Y	Connector (32pin) [CN−B,CN−M]	コネクター
7	QCNCM0807FCZZ	AE	DS		Y	Connector (30pin) [CN−C,CN−I]	コネクター
8	QCNCM0808FCZZ	AE	DS		Y	Connector (28pin) [CN−D]	コネクター
9	QCNCM0809FCZZ	AE	DS		Y	Connector (26pin) [CN−H]	コネクター
10	QCNCM7014SC0H	AB	DD		Y	Connector (8pin) [CN−G]	コネクター
11	QCNCM7014SC0i	AB	DD		Y	Connector (9pin) [CN−J]	コネクター
12	QCNCW0749FCZZ	AB	DD		Y	Connector (7pin) [CN−E]	コネクター
13	QCNCW0805FCZZ	AF	DS		Y	Connector (20pin) [CN−A]	コネクター
14	QSOCZ2051SC32	AC	DJ		C	32pin IC socket (For IC116)	32ピンICソケット
15	QSOCZ6428ACZZ	AE	DS		C	28pin IC socket (1CC05−028−360T)(For IC115)	28P ICソケット
16	RC−AZ0349FCZZ	AE	DJ		C	Capacitor (5.5WV 2.2MF) [C403,405]	コンデンサー
17	RC−K1E104HCZZ	AB	DD		C	Capacitor (25WV 0.1μF) [C312~315]	コンデンサー
18	RCRSQ5030SCZZ	AG	DX		C	Oscillator (AT−49)(8MHZ) [X1]	ハッシンシ
19	RH−DZ0016FCZZ	AB	DD		C	Diode (MA700) [D105]	ダイオード
20	RMPTC3102QCJB	AA	DD		C	Block resistor (1.0KΩ 1/8W ±5%) [BR102,106,107]	ブロックテイコウ
21	RMPTC4103QCJB	AD	DJ		C	Block resistor (10KΩ×4 1/8W ±5%) [BR111]	ブロックテイコウ
22	RMPTC4122QCJB	AB	DD		C	Block resistor (1.2KΩ×4 1/8W ±5%) [BR103]	ブロックテイコウ
23	RMPTC4222QCJB	AA	DD		C	Block resistor (2.2KΩ×4 1/8W ±5%) [BR101,301,302]	ブロックテイコウ
24	RMPTC4272QCJB	AA	DD		C	Block resistor (2.7KΩ×4 1/8W ±5%) [BR121]	ブロックテイコウ
25	RMPTC4562QCJB	AA	DD		C	Block resistor (5.6KΩ×4 1/8W ±5%) [BR120,124]	ブロックテイコウ
26	RMPTC5272QCJB	AB	DD		C	Block resistor (2.7KΩ×5 1/8W ±5%) [BR123]	ブロックテイコウ
27	RMPTC5562QCJB	AA	DD		C	Block resistor (5.6KΩ×5 1/8W ±5%) [BR115,119]	ブロックテイコウ
28	RMPTC6103QCJB	AB	DD		C	Block resistor (10KΩ×6 1/8W ±5%) [BR117]	ブロックテイコウ
29	RMPTC6272QCJB	AC	DD		C	Block resistor (2.7KΩ×6 1/8W ±5%) [BR108]	ブロックテイコウ
30	RMPTC6562QCJB	AB	DD		C	Block resistor (5.6KΩ×6 1/8W ±5%) [BR104,114,118]	ブロックテイコウ
31	RMPTC8103QCJB	AC	DD		C	Block resistor (10KΩ×8 1/8W ±5%) [BR109,110,113]	ブロックテイコウ
32	VCCCPU1HH220J	AA	DD		C	Capacitor (50WV 22PF) [C112,113]	コンデンサー
33	VCEAGU1CW107M	AB	DD		C	Capacitor (16WV 100μF) [C115]	コンデンサー
34	VCEAGU1CW477M	AC	DD		C	Capacitor (16WV 470μF) [C122,124,307]	コンデンサー
35	VCEAGU1HW105M	AA	DD		C	Capacitor (50WV 1.0μF) [C118]	コンデンサー
36	VCEAGU1HW107M	AC	DD		C	Capacitor (50WV 100μF) [C104]	コンデンサー
37	VCEAGU1HW224M	AA	DD		C	Capacitor (50WV 0.22μF) [C166,167]	コンデンサー
38	VCEAGU1VW106M	AA	DD		C	Capacitor (35WV 10μF) [C102]	コンデンサー
39	VCEAGU1VW335M	AA	DD		C	Capacitor (35WV 3.3μF) [C119,120]	コンデンサー
40	VCEAGU1VW476M	AB	DD		C	Capacitor (35WV 47μF) [C105]	コンデンサー
41	VCEAGU1VW477M	AD	DJ		C	Capacitor (35WV 470μF) [C123]	コンデンサー
42	VCKYTQ1HB102K	AA	DD		C	Capacitor(50WV 1000pF) [C126~135,137~140, 142~152,155,160,177,178,180~183,186~189,301~306]	コンデンサー
43	VCKYTQ1HB223K	AB	DD	N	C	Capacitor (50WV 0.022μF) [C125,136,141,156~159,161~164,168~171,173]	コンデンサー
	VCKYTQ1HB223K	AB	DD	N	C	Capacitor (50WV 0.022μF) [C174,176,179,184,185,190,191,308~311,402]	コンデンサー
	VCKYTQ1HB223K	AB	DD	N	C	Capacitor (50WV 0.022μF) [C404,406]	コンデンサー
44	VCKYTQ1HB223M	AA	DD		C	Capacitor (50WV 0.022μF) [C402,404,406]	コンデンサー
45	VCQYNU1HM102K	AA	DD		C	Capacitor (50WV 1000PF) [C110]	コンデンサー
46	VCQYNU1HM103K	AA	DD		C	Capacitor (50WV 0.010μF) [C116,117]	コンデンサー
47	VCQYNU1HM104K	AB	DD		C	Capacitor (50WV 0.10μF) [C101,106,107,108,109,111]	コンデンサー
48	VHDDAN202K/−1	AB	DD		C	Diode (DAN202K) [D106,115,122~126,128,132,136,143,145,150,303,401]	ダイオード
49	VHDDAP202K/−1	AB	DD		C	Diode (DAP202K) [D129,133,137,304]	ダイオード
50	VHDDA218S//−1	AC	DJ	N	C	Diode (DA218S) [D306]	ダイオード
51	VHDDSS133//−1	AA	DD		C	Diode (DSS133) [D402]	ダイオード
52	VHDS3V10///−1	AC	DJ		C	Diode (S3V10) [D101]	ダイオード
53	VHDW06B////−1	AE	DJ		C	Diode (W06B) [D140,141,301,302,305,307,402]	ダイオード
54	VHD1SR124−200	AB	DD		C	Diode (1SR124−200) [D102,103,104]	ダイオード
55	VHEHZS5B3//−V	AB	DJ	N	C	Zener diode (HZS5B3) [ZD301]	ツェナーダイオード
56	VHEHZ6A1///−1	AB	DD		C	Zener diode (HZ6A1) [ZD103,104]	ツェナーダイオード
57	VHERD22FB//−1	AD	DJ		C	Zener diode (RD22FB) [ZD101,102,105]	ツェナーダイオード
58	VHiHD8−570L02	BF	GT	N	C	IC (HD8−570L02) [IC113]	IC
59	VHiiR2C23//−1	AF	DS		C	IC (IR2C23) [IC109,110,111,122,123,124,125]	IC
60	VHiNJM2901M/−	AF	DS	N	C	IC (NJM2901M) [IC133,134]	IC
61	VHiNJM2903M/−	AD	DJ		C	IC (NJM2903M) [IC137]	IC
62	VHiSLA6023/−1	AR	EZ		C	IC (SLA6023) [IC112]	IC
63	VHiSN74LS04NS	AF	DS		C	IC (SN74LS04) [IC145,146,147]	IC
64	VHiSN74LS08F−	AF	DS		C	IC (SN74LS08) [IC135]	IC
65	VHiSN74LS14NS	AL	EG		C	IC (SN74LS14NS) [IC142]	IC
66	VHiSN74LS32NS	AF	DS		C	IC (SN74LS32NS) [IC144]	IC
67	VHiSTA301A/−1	AK	EB		C	IC (STA301A) [IC107]	IC
68	VHiTA7291S/−1	AF	DS		C	IC (TA7291S) [IC104]	IC
69	VHiTA78057S−1	AE	DS		C	IC (TA78057S) [IC149]	IC
70	VHiTD62503F/−	AG	DX	N	C	IC (TD62503F) [IC126,128,129,132,141]	IC
71	VHiTD62583F/−	AH	DX	N	C	IC (TD62583F) [IC143]	IC
72	VHiTE7750//−1	AW	FX		C	IC (TE7750) [IC114]	IC
73	VHiULN2003AN1	AE	DJ		C	IC (ULN2003AN1) [IC102,105,106,108,117,119,120,121,148]	IC
74	VHiUPC1246C−1	AK	EB		C	IC (UPC1246C) [IC101]	IC

33 メイン基板(Main PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
75	VHiUPC358G2E1	AD	DJ		C	IC (UPC358G2E1)	[IC130]	IC
76	VHi27C01002FC	AZ	FX	N	B	IC (27C01002FC)	[IC116]	IC
77	VHi28C64-15-1	AZ	GD		B	IC (28C64-15)	[IC115]	IC
78	VHi74LS139ANR	AG	DX	N	C	IC (74LS139ANR)	[IC138,139]	IC
79	VRS-ST3ABR22J	AA	DD		C	Resistor (1W 0.22Ω ±5%)	[R103]	テイコウ
80	VRS-ST3AB120J	AB	DD		C	Resistor (1W 12Ω ±5%)	[R223]	テイコウ
81	VRS-TS2AD101J	AA	DD		C	Resistor (1/10W 100Ω ±5%)	[R161,174,182,198,200,202,203]	テイコウ
82	VRS-TS2AD102F	AA	DD		C	Resistor (1/10W 1.0KΩ ±1%)	[R135]	テイコウ
83	VRS-TS2AD102J	AA	DD		C	Resistor (1/10W 1.0KΩ ±5%)	[R163,176,180]	テイコウ
84	VRS-TS2AD103F	AA	DD		C	Resistor (1/10W 10KΩ ±1%)	[R137]	テイコウ
85	VRS-TS2AD103J	AA	DD		C	Resistor(1/10W 10KΩ ±5%)	[R115,119,138,139,146,148, 154,157,158,169,197,199,201,302,304,305,307,309]	テイコウ
86	VRS-TS2AD104J	AA	DD		C	Resistor (1/10W 100KΩ ±5%)	[R110]	テイコウ
87	VRS-TS2AD122J	AA	DD		C	Resistor (1/10W 1.2KΩ ±5%)	[R150,179,190,192,194,306,316]	テイコウ
88	VRS-TS2AD133F	AA	DD		C	Resistor (1/10W 13KΩ ±1%)	[R225]	テイコウ
89	VRS-TS2AD151J	AA	DD		C	Resistor (1/10W 150Ω ±5%)	[R134,159]	テイコウ
90	VRS-TS2AD152F	AA	DD		C	Resistor (1/10W 1.5KΩ ±1%)	[R141,144,153]	テイコウ
91	VRS-TS2AD153F	AA	DD		C	Resistor (1/10W 15KΩ ±1%)	[R113,143,229]	テイコウ
92	VRS-TS2AD201J	AG	DS		C	Resistor (1/10W 200Ω ±5%)	[R178,410,411]	テイコウ
93	VRS-TS2AD203J	AA	DD		C	Resistor (1/10W 20KΩ ±5%)	[R149,166,188]	テイコウ
94	VRS-TS2AD204J	AA	DD		C	Resistor (1/10W 200KΩ ±5%)	[R171]	テイコウ
95	VRS-TS2AD222J	AA	DD		C	Resistor(1/10W 2.2KΩ ±5%) [R116,125,167,168,172,184,185,186,187,204,205,222,311]		テイコウ
96	VRS-TS2AD223J	AA	DD		C	Resistor (1/10W 22KΩ ±5%)	[R109,210,303]	テイコウ
97	VRS-TS2AD224J	AA	DD		C	Resistor (1/10W 220KΩ ±5%)	[R126,160,181]	テイコウ
98	VRS-TS2AD242J	AA	DD		C	Resistor (1/10W 2.4KΩ ±5%)	[R170,308,310]	テイコウ
99	VRS-TS2AD272J	AA	DD		C	Resistor (1/10W 2.7KΩ ±5%)	[R108]	テイコウ
100	VRS-TS2AD301J	AA	DD		C	Resistor (1/10W 300Ω ±5%)	[R121,224]	テイコウ
101	VRS-TS2AD303J	AA	DD		C	Resistor (1/10W 30KΩ ±5%)	[R402]	テイコウ
102	VRS-TS2AD332F	AA	DD		C	Resistor (1/10W 3.3KΩ ±1%)	[R130]	テイコウ
103	VRS-TS2AD363J	AA	DD		C	Resistor (1/10W 36KΩ ±5%)	[R127]	テイコウ
104	VRS-TS2AD393J	AA	DD		C	Resistor (1/10W 39KΩ ±5%)	[R131,140]	テイコウ
105	VRS-TS2AD431J	AA	DD		C	Resistor (1/10W 430Ω ±5%)	[R214]	テイコウ
106	VRS-TS2AD432F	AA	DD		C	Resistor (1/10W 4.3KΩ ±1%)	[R226]	テイコウ
107	VRS-TS2AD471J	AA	DD		C	Resistor (1/10W 470Ω ±5%)	[R189,191,193]	テイコウ
108	VRS-TS2AD472J	AA	DD		C	Resistor (1/10W 4.7KΩ ±5%)	[R412]	テイコウ
109	VRS-TS2AD473J	AA	DD		C	Resistor (1/10W 47KΩ ±5%)	[R208,209,317,318]	テイコウ
110	VRS-TS2AD511J	AA	DD		C	Resistor (1/10W 510Ω ±5%)	[R405,408]	テイコウ
111	VRS-TS2AD562J	AA	DD		C	Resistor (1/10W 5.6KΩ ±5%)	[R123,195,230,231,312~315,409]	テイコウ
112	VRS-TS2AD563J	AA	DD		C	Resistor (1/10W 56KΩ ±5%)	[R133]	テイコウ
113	VRS-TS2AD621J	AA	DD		C	Resistor (1/10W 620Ω ±5%)	[R404,407]	テイコウ
114	VRS-TS2AD622F	AA	DD		C	Resistor (1/10W 6.2KΩ ±1%)	[R227]	テイコウ
115	VRS-TS2AD624J	AA	DD		C	Resistor (1/10W 620KΩ ±5%)	[R151]	テイコウ
116	VRS-TS2AD681J	AA	DD		C	Resistor (1/10W 680Ω ±5%)	[R175,177,183]	テイコウ
117	VRS-TS2AD682F	AA	DD		C	Resistor (1/10W 6.8KΩ ±1%)	[R132]	テイコウ
118	VRS-TS2AD683J	AA	DD		C	Resistor (1/10W 68kΩ ±5%)	[R401]	テイコウ
119	VRS-TS2AD751J	AA	DD		C	Resistor (1/10W 750Ω ±5%)	[R403,406]	テイコウ
120	VRS-TS2AD752J	AA	DD		C	Resistor (1/10W 7.5KΩ ±5%)	[R156]	テイコウ
121	VRS-TS2AD911J	AA	DD		C	Resistor (1/10W 910Ω ±5%)	[R128,173,301]	テイコウ
122	VRS-TS2AD912F	AA	DD		C	Resistor (1/10W 9.1KΩ ±1%)	[R228]	テイコウ
123	VRS-TS2AD913J	AA	DD		C	Resistor (1/10W 91KΩ ±5%)	[R124]	テイコウ
124	VSDTA123YK/-1	AB	DJ	N	C	Transistor (DTA123YK)	[Q106,301]	トランジスター
125	VSDTC114YK/-1	AC	DD		C	Transistor (DTC114YE)	[Q103,104]	トランジスター
126	VS2SB1132-R-1	AE	DS	N	C	Transistor (2SB1132R)	[Q302,303]	トランジスター
127	VS2SC945///-1	AD	DJ		C	Transistor (2SC945)	[Q101,102]	トランジスタ
128	XBPSD30P08K00	AA	DD		Y	Screw (3×8K)		ビス
129	XNESD30-24000	AA	DD		Y	Nut		ナット
	ユニット (Unit)							
901	CPWBN0968FC51	CC	UB	N	E	Main PWB		メインキバン

34 操作基板(Operation PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
1	PSPAP0588FCZZ	AB	DD		B	Copy key spacer		コピーキースペーサー
2	PSPAP0605FCZZ	AC	DJ	N	B	Copy quantity display spacer		マイスウヒョジスペーサー
3	QCNCW0411FCZZ	AD	DJ		Y	Connector (16pin)	[CNA]	コネクター
4	QCNCW6966RC1D	AL	EQ	N	Y	Connector (14pin)		コネクター
5	QSW-P0465FCZZ	AC	DJ	N	A	Tact switch (SKHVPB) [1K~9K,CLK,INFK,SCRK,PRCK,INTK,CAK,CSK,EXDK,EXLK]		タクトスイッチ
	QSW-P0465FCZZ	AC	DJ	N	A	Tact switch (SKHVPB) [EXSK,ENK,RDK,SOTK,EQK,AMSK,ZDWK,ZUPK,SDSK,DMSK]		タクトスイッチ
	QSW-P0465FCZZ	AC	DJ	N	A	Tact switch (SKHVPB)	[TMK,COVK,MSK,EEK,DPCK]	タクトスイッチ
6	QSW-P0466FCZZ	AD	DS	N	A	Tact switch (SKHWPC)	[PSW,OK]	タクトスイッチ
7	RC-KZ0287FCZZ	AA	DD		C	Capacitor (22000pF)		コンデンサー
8	RCRS-0007FCZZ	AD	DJ		C	Crystal (CSB480EB)	[X1]	クリスタル
9	RMPTC4102QCJB	AB	DD		C	Block resistor (1.0KΩ×4 1/8W ±5%)		ブロックテイコウ

34 操作基板(Operation PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
10	RMPTC5681QCJB	AB	DD		C	Block resistor (680Ω×5 1/8W ±5%)	[BR101]	ブロックテイコウ
11	RMPTC8681QCJB	AC	DD		C	Block resistor (680Ω×8 1/8W ±5%)		ブロックテイコウ
12	RMPTW7681QCJE	AC	DD		C	Block resistor (680Ω×7 1/4W ±5%)		ブロックテイコウ
13	VCCCPU1HH101J	AB	DD		C	Capacitor (50WV 100pF)	[C302,303]	コンデンサー
14	VCEAJU1CW476M	AB	DD		C	Capacitor (16WV 47μF)	[C301,304,308,310]	コンデンサー
15	VCKYPU1HB102K	AA	DD		C	Capacitor (50WV 1000PF)	[C312~315]	コンデンサー
16	VHDDSS133HV-1	AA	DD		C	Diode (DSS133HV)	[D301~309]	ダイオード
17	VHiLC7935//-1	AN	EQ		C	IC (LC7935)	[IC102]	IC
18	VHiLR3717M/-1	AH	DX		C	IC (LR3717M)	[IC101]	IC
19	VHiTC74HC14PN	AG	DX		C	IC (TC74HC14PN)	[IC103]	IC
20	VHPLB603MF/-1	AQ	EQ	N	A	Photo transistor (LB603MF)	[LEDN]	フォトトランジスター
21	VHPLD603MG/-1	AE	DS		A	Photo transistor (LD603MG)	[READYL]	フォトトランジスター
22	VHPSLR-320MCA	AB	DD		A	Photo transistor(SLR-320MCA) [TML,COVL,MSL,EEL,DPCL,SDEL,SDOL,DDL,DSL,SOTL,STSL,GRPL]		フォトトランジスター(ミドリ)
	VHPSLR-320MCA	AB	DD		A	Photo transistor(SLR-320MCA)	[AMSL,INFL,INTL]	フォトトランジスター(ミドリ)
23	VRD-RB2EY000J	AA	DD		C	Resistor (1/4W 0Ω ±5%)		テイコウ
24	VRD-RC2EY681J	AA	DD		C	Resistor (1/4W 680Ω ±5%)	[R301~303]	テイコウ
25	VSDTC114YS/-1	AB	DD		C	Transistor (DTC114YS)	[Q301]	トランジスター
	ユニット (Unit)							
901	CPWBF0969FC51	BP	LP	N	E	Operation PWB		ソウサキバン

35 AC回路基板(AC circuit PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
1	DHAi-2109FCZZ	AC	DJ		C	AC PWB Earth harness		ACキバンアースハーネス
3	PRDAR0048FCZZ	AC	DJ		C	Heat sink		ホウネツバン
4	PSHEZ2727FCZZ	AC	DJ		A	Insulator sheet for TD202		ゼツエンシート
6	QCNCW0445FCZZ	AA	DD		Y	Connector (Japan only)	[CN204]	コネクター
7	QCNCW0455FCZZ	AC	DJ		Y	Connector (15pin)	[CN203]	コネクター
8	QCNCW0690FCZZ	AB	DD		Y	Connector (2Pin)	[CN202]	コネクター
10	QCNCW0815FCZZ	AE	DJ		Y	Connector (8Pin)	[CN201]	コネクター
⚠	QFS-A2700QCZZ	AD	DJ		A	Fuse (20A 125V) (Japan only)	[F201,202]	ヒューズ
⚠ 11	QFS-B0030FCZZ	AH	DS		A	Fuse (15A 250V) (Export··100V series)	[F201]	ヒューズ
⚠	QFS-C1500QCZZ	AF	DS		A	Fuse(10A 240V) (200V series)	[F201]	ヒューズ
12	QFSHD0001QCZZ	AA	DD		C	Fuse holder (For F201,202)		ヒューズホルダー
13	QTANP0115FCZZ	AB	DD		C	Terminal (T86032)		タブタンシ
14	RC-QZ0117FCZZ	AD	DJ		C	Capacitor (50WV 0.47μF)	[C209,210]	コンデンサー
15	RC-QZ0314FCZZ	AH	DX		C	Capacitor (XYE224472)	[C201]	コンデンサー
16	RC-QZ0324FCZZ	AE	DS		C	Capacitor (XE224)(200V series)	[C202,203]	コンデンサー
17	RCiLF0027FCZZ	AQ	EZ		C	Coil (1mH 10A)(200V series)	[L201]	コイル
18	RCiLF0031FCZZ	AR	EZ		C	Coil (100μH 8A)(200V series)	[L202,203]	コイル
20	RCiLF0048FCZZ	AG	DS		C	Coil (100μH 3A)(Japan,100V series)	[L204]	コイル
	RCiLF0043FCZZ	AL	EG		C	Coil (6mH)(200V series)	[L204]	コイル
21	RH-DZ0019FCZZ	AG	DX		C	Diode (DSA-242MA)(Japan,100V series)	[A201]	ダイオード
22	RMPTA0030FCZZ	AE	DJ		C	CR mix part (AU1201)(Japan,100V series)	[CR201,202]	CRフクゴウキ
	RMPTA0021FCZZ	AH	DX		C	CR mix part (CR201,202)(200V series)	[CR201,202]	CRフクゴウキ
25	RR-WZ0328FCZZ	AD	DJ		C	Resistor (5W 3Ω)(Japan,100V series)	[R201]	テイコウ
26	RR-XZ0337FCZZ	AC	DJ		C	Fuse resistor (1W 220Ω)(Japan,100V series)	[FR201]	ヒューズテイコウ
	RR-XZ0338FCZZ	AC	DJ		C	Fuse resistor (1W 820Ω)(200V series)	[FR201]	ヒューズテイコウ
⚠ 28	RRLYD6121QCZZ	AM	EG		B	Relay (Japan,100V series)	[RY201]	リレー
⚠	RRLYD6120QCZZ	AP	EQ		B	Relay (200V series)	[RY201]	リレー
29	VCEAGU1VW107M	AB	DD		C	Capacitor (35WV 100μF)	[C213]	コンデンサー
30	VCQYNU1HM104K	AB	DD		C	Capacitor (50WV 0.10μF)	[C206,214]	コンデンサー
31	VCQYNU1HM223K	AA	DD		C	Capacitor (50WV 0.022μF)(Japan,100V series)	[C212]	コンデンサー
	VCQYNU1HM473K	AB	DD		C	Capacitor (50WV 0.047μF)(200V series)	[C212]	コンデンサー
32	VHDRM10Z///-1	AC	DJ		C	Diode (RM10Z)(Japan only)	[D202]	ダイオード
33	VHDS1WBA60S-1	AD	DJ		C	Diode (S1WBA60S)	[RE201]	ダイオード
34	VHDW06B////-1	AE	DJ		C	Diode (W06B)	[D201]	ダイオード
35	VHiSHN002//-1	AU	FQ		C	IC (SHN002)	[IC201]	IC
36	VHiTM1641P-L/	AM	EG		C	IC (TM1641P-L)(Japan,100V series)	[TD202]	IC
⚠ 37	VHRS21MD3V/-1	AE	DS		A	Photo thyristor (S21MD3V)(Japan,100V series)	[SSR202]	フォトサイリスター
⚠	VHRS21MD3VY-1	AG	DS		A	Photo thyristor (S21MD3VY)(200V series)	[SSR202]	フォトサイリスター
⚠ 38	VHRS21ME4//-1	AH	DX		B	Diode (S21ME4)(Japan,100V series)	[SSR201]	ダイオード
⚠	VHRS21ME4Y/-1	AH	DX		B	Diode (S21ME4Y)(200V series)	[SSR201]	ダイオード
41	VRD-RB2EY105J	AA	DD		C	Resistor (1/4W 1.0MΩ ±5%)(Japan,100V series)	[R207]	テイコウ
	VRD-RB2EY474J	AA	DD		C	Resistor (1/4W 470KΩ ±5%)(200V series)	[R207]	テイコウ
42	VRNRB2EK2003F	AA	DD		C	Resistor (1/4W 200KΩ ±1%)(Japan,100V series)	[R215,216]	テイコウ
	VRNRB2EK4123F	AA	DD		C	Resistor (1/4W 412KΩ ±1%)(200V series)	[R215,216]	テイコウ
44	VRS-HT2HA101J	AA	DD		C	Resistor (1/2W 100Ω ±5%)	[R203,218]	テイコウ
45	VRS-HT2HA121J	AA	DD		C	Resistor (1/2W 120Ω ±5%)(Japan,100V series)	[R204,217]	テイコウ
	VRS-HT2HA201J	AA	DD		C	Resistor (1/2W 200Ω ±5%)(200V series)	[R204,217]	テイコウ
46	VRS-RE3LA103J	AB	DD		C	Resistor (3W 10KΩ ±5%)	[R214]	テイコウ
47	XBPSD30P10K00	AA	DD		Y	Screw (3×10K)(For TD202)		ビス
49	VCEAGU1HW107M	AC	DD		C	Capacitor (50WV 100μF)	[C215]	コンデンサー
50	VHSTM1661S-LF	AK	EB	N	B	Triac (TM1661S)	[TD201]	トライアック
51	VHSTM1661P-L1	AP	EQ	N	B	Triac (TM1661P)(200V series)	[TD202]	トライアック

35 AC回路基板(AC circuit PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
52	RCiLF0045FCZZ	AN	EQ		C	Earth indactor coil (200V series)	アースインダクターコイル
53	RRLYD4421QCN2	AU	FG	N	B	Relay (Japan,100V series)	リレー
	RRLYD4421QCN1	AU	FG	N	B	Relay (200V series)	リレー
	ユニット (Unit)						
⚠	CPWBF0971FC51	BP	LP	N	E	AC circuit PWB (Japan only)	ACカイロギバン J
⚠ 901	CPWBF0972FC51	BP	LP	N	E	AC circuit PWB (100V series)	ACカイロキバン100
⚠	CPWBF0973FC51	BS	NE	N	E	AC circuit PWB (200V series)	ACカイロキバン200

36 DC電源基板(DC power supply PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
1	0AV1510000004	AG	DS		C	Film capacitor (0.47μF 250V)	[C701,702]	フィルムコンデンサ
2	0AV1390000071	AY	FQ	N	C	Al−Electrolytic capacitor (1500μF 200V)(100V series)	[C707,708]	デンカイコンデンサ
	0AV1390000072	AX	FQ	N	C	Al−Electrolytic capacitor (390μF 400V)(200V series)	[C707,708]	デンカイコンデンサ
3	0AV1390000001	AC	DD		C	Al−Electrolytic capacitor (0.47μF 50V)	[C733]	デンカイコンデンサ
4	0AV1390000073	AC	DJ	N	C	Al−Electrolytic capacitor (1μF 50V)	[C744]	デンカイコンデンサ
5	0AV1390000074	AC	DJ	N	C	Al−Electrolytic capacitor (4.7μF 50V)	[C756]	デンカイコンデンサ
6	0AV1336812025	AD	DJ	N	C	Al−Electrolytic capacitor (680μF 10V)	[C750]	デンカイコンデンサ
7	0AV1331522035	AF	DX	N	C	Al−Electrolytic capacitor (1500μF 16V)	[C754]	デンカイコンデンサ
8	0AV1331522065	AK	EB		C	Aluminum electrolytic capacitor (1500μF 50V)	[C751]	デンカイコンデンサ
9	0AV1332202060	AC	DJ		C	Aluminum electrolytic capacitor (22μF 50V)	[C757,761]	デンカイコンデンサ
10	0AV1332222065	AM	EG	N	C	Al−electrolytic capacitor (2200μF 50V)	[C725]	デンカイコンデンサ
11	0AV1334702060	AC	DJ	N	C	Al−electrolytic capacitor (47μF 50V)	[C719,720]	デンカイコンデンサ
12	0AV1331022055	AG	DS		C	Al Electrolytic capacitor (1000μF 35V)	[C742]	デンカイコンデンサ
13	0AV1331522055	AH	DX	N	C	Al Electrolytic capacitor (1500μF 35V)	[C740]	デンカイコンデンサ
14	0AV1332202050	AB	DD		C	Aluminum electrolytic capacitor (22μF 35V)	[C738,745,749]	デンカイコンデンサ
15	0AV1332212050	AD	DS	N	C	Al−Electrolytic capacitor (220μF 35V)	[C737]	デンカイコンデンサ
16	0AV1332222055	AK	EB	N	C	Aluminum electrolytic capacitor (2200μF 35V)	[C731,732]	デンカイコンデンサ
17	0AV1331022035	AE	DJ		C	Al Electrolytic capacitor (1000μF 16V)	[C764]	デンカイコンデンサ
18	0AV1471020090	AB	DD		C	Film capacitor (0.001μF 100V)	[C716,746,759]	フィルムコンデンサ
19	0AV1471030090	AB	DD		C	Film capacitor (0.01μF 100V)	[C714]	フィルムコンデンサ
20	0AV1472230090	AB	DD		C	Film capacitor (0.022μF 100V)	[C747,748,752,758]	フィルムコンデンサ
21	0AV1476820090	AB	DD		C	Film capacitor (0.0068μF 100V)(100V series)	[C718]	フィルムコンデンサ
	0AV1478220090	AB	DJ	N	C	Film capacitor (0.0082μF 100V)(200V series)	[C718]	フィルムコンデンサ
22	0AV1501040140	AF	DS	N	C	Film capacitor (0.1μF 400V)	[C709]	フィルムコンデンサ
23	0AV1504730140	AE	DS	N	C	Film capacitor (0.047μF 400V)	[C713]	フィルムコンデンサ
24	0AV1621010060	AB	DD		C	Ceramic capacitor (100pF 50V)	[C734]	セラミック コンデンサ
25	0AV1610000041	AA	DD		C	Ceramic capacitor (470pF 1KV)	[C710,736]	セラミックコンデンサ
⚠ 26	0AV1650000001	AF	DS		C	Ceramic capacitor (4700pF 250V) (100V series)	[C703,704,705,706]	セラミックコンデンサ
	0AV1650000001	AF	DS		C	Ceramic capacitor (4700pF 250V) (200V series)	[C703,704]	セラミックコンデンサ
	0AV1650000003	AD	DJ		C	Ceramic capacitor (3300pF)(200V series)	[C705,706,762,763]	セラミックコンデンサ
27	0AV1610000029	AC	DD		C	Ceramic capacitor (1000pF 1KV)	[C711,712,721,722,723,724]	セラミック コンデンサ
	0AV1610000029	AC	DD		C	Ceramic capacitor (1000pF 1KV)	[C727,728,729,730,741]	セラミック コンデンサ
28	0AV1690000001	AB	DD		C	Ceramic capacitor (0.1μF 50V)	[C726,735,743,755,715]	セラミックコンデンサ
	0AV1690000001	AB	DD		C	Ceramic capacitor (0.1μF 50V)	[C717,739,760]	セラミックコンデンサ
29	0AV3060029000	AV	FG	N	C	Diode (S15WB40−4003L15)(100V series)	[D701]	ダイオード
	0AV3060030000	AV	FG	N	C	Diode (S15WB60−4003L15)(200V series)	[D701]	ダイオード
30	0AV3060031000	AC	DJ	N	C	Diode (ERA15−04)	[D704,705,706,707]	ダイオード
31	0AV3070001100	AC	DD		C	Zenner diode (RD10EL1)	[D712]	テイデンアツ ダイオード
32	0AV3070045000	AB	DD		C	Zenner diode (RD6.2ES)(100V series)	[D708,727]	テイデンアツダイオード
	0AV3070074000	AC	DJ	N	C	Zenner diode (RD13ES)(100V series)	[D726]	テイデンアツ ダイオード
	0AV3070074000	AC	DJ	N	C	Zenner diode (RD13ES)(200V series)	[D726,708]	テイデンアツ ダイオード
	0AV3070045000	AB	DD		C	Zenner diode (RD6.2ES)(200V series)	[D727]	テイデンアツダイオード
33	0AV3070049000	AB	DD		C	Zenner diode (RD27ES)	[D721]	テイデンアツダイオード
34	0AV3070057000	AC	DD		C	Zenner diode (RD30ES)	[D711]	テイデンアツダイオード
35	0AV3070050000	AB	DD		C	Zenner diode (RD39EB7)	[D718]	テイデンアツダイオード
36	0AV3070058000	AC	DD		C	Zenner diode (RD5.6ES)	[D725,733,735]	テイデンアツダイオード
38	0AV3050057000	AK	EB	N	C	Diode (ERC81−004E)	[D736]	ダイオード
39	0AV3050058000	AH	EB	N	C	Diode (ERC91−02E)	[D732]	ダイオード
40	0AV3050029000	AF	DS		C	Diode (ERB38−06)(100V series)	[D703]	ダイオード
	0AV3050036000	AF	DS		C	Diode (RG1C)(200V series)	[D703]	ダイオード
41	0AV3050019000	AF	DS		C	Diode (ERA91−02)	[D702,714,715,716]	コウソク ダイオード
	0AV3050019000	AF	DS		C	Diode (ERA91−02)	[D737,738]	コウソク ダイオード
42	0AV3050033000	AE	DJ		C	Diode (ERB91−02)	[D728]	ダイオード
43	0AV3050027000	AL	EB		C	Diode (ESAB92M−02)	[D729]	ダイオード
44	0AV3050059000	AS	EZ	N	C	Diode (ESAD92−03F4]	[D717]	ダイオード
45	0AV3050060000	AR	EQ	N	C	Diode (ESAD92−02F4]	[D720]	ダイオード
46	0AV3050030000	AA	DD		C	Diode (1SS178)	[D713,719,722,723]	ダイオード
	0AV3050030000	AA	DD		C	Diode (1SS178)	[D724,730,731,734]	ダイオード
⚠ 47	0AV5060058000	AK	EB	N	A	Fuse (15A 125V)(100V series)	[F701]	ヒューズ
⚠	0AV5060060000	AG	DX	N	A	Fuse (6.3A 250V)(200V series)	[F701]	ヒューズ
⚠ 48	0AV5060059000	AG	DX	N	A	Fuse (3A 250V)(100V series)	[F702,704,705,706]	ヒューズ
⚠	0AV5060015000	AF	DS		A	Fuse (3.15A 250V)(200V series)	[F702,704,705,706]	ヒューズ
⚠ 49	0AV5060020000	AG	DS		A	Fuse (5A 125V)(100V series)	[F703]	ヒューズ

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NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
⚠ 49	0AV5060047000	AE	DS		A	Fuse (5A 250V)(200V series) [F703]	ヒューズ
⚠ 50	0AV2060012000	AH	DX	N	A	Thermal cutoff with resistor (3.3Ω 135°C)(100V series) [FR701]	テイコウオンドヒューズ
⚠	0AV2060013000	AM	EG	N	A	Thermal cutoff with resistor (6.8Ω 135°C)(200V series) [FR701]	テイコウオンドヒューズ
51	0AV3090040000	AR	EQ	N	C	IC (FA5314P) [IC701]	IC
52	0AV3090041000	AF	DX	N	C	IC (UPC1093J-1) [IC702]	IC
53	0AV3090043000	AM	EG	N	C	IC (HA178M20P) [IC703]	IC
54	0AV3090008000	AK	DX		C	IC (MB3759M) [IC704,705]	IC
55	0AV3090006000	AK	DX		C	IC protector (ICP-N25) [IP701]	ICプロテクター
56	0AV4070037000	AZ	FX	N	C	Inductor (SC-05-50J-NC) [L701]	ラインフィルター
57	0AV4050005000	AD	DS		C	Choke coil (TSL1110-332KR17) [L710]	チョークコイル
58	0AV4050009000	AF	DS	N	C	Choke coil (PJ8T-8R2M) [L722,725]	チョークコイル
59	0AV4050004611	AQ	EQ	N	C	Choke coil (N-L00-046) [L726]	チョークコイル
60	0AV4120002000	AC	DD		C	Inductor (B-01-A) [L702,703,704,705,706,707,708,709,711]	ビーズインダクタ
	0AV4120002000	AC	DD		C	Inductor (B-01-A) [L712,713,714,715,716,717,718,721]	ビーズインダクタ
61	0AV4030026911	BB	GJ	N	C	Choke coil (C-L00-269) [L719]	チョークコイル
62	0AV4030026812	AX	FQ	N	C	Choke coil (C-L00-268) [L723]	チョークコイル
63	0AV4050001000	AF	DS		C	Choke coil (L-10005-11) [L724]	チョークコイル
64	0AV3080621100	AG	DX	N	B	Photocoupler (TLP621GRLF2)(100V series) [PC701,702,703]	フォトカプラ
	0AV3080111200	AL	EG	N	B	Photocoupler (PC111LY2)(200V series) [PC701,702,703]	フォトカプラ
65	0AV3040725100	AX	FQ	N	C	FET (2SK725-06F4)(100V series) [Q701,702]	FET
	0AV3041511100	AX	FQ	N	C	FET (2SK1511-06F4)(200V series) [Q701,702]	FET
66	0AV3021815500	AC	DD		C	Transistor (2SC1815) [Q704,705]	トランジスタ
67	0AV3001451500	AL	EG		C	Transistor (12SA1451) [Q706]	トランジスタ
68	0AV3021959500	AC	DJ		C	Transistor (2SC1959) [Q707]	トランジスタ
69	0AV3040176999	AN	EQ		C	FET (2SJ176) [Q708]	FET
70	0AV2050584055	AE	DS	N	C	Cement filled resistor (0.05Ω 2W) [R758]	セメントテイコウ
71	0AV2050174055	AE	DS	N	C	Cement filled resistor (0.1Ω 2W) [R781]	セメントテイコウ
72	0AV2053373087	AG	DX	N	C	Cement filled resistor (3.3Ω 7W)(100V series) [R702]	セメントテイコウ
	0AV2056873087	AG	DX	N	C	Cement filled resistor (6.8Ω 7W)(200V series) [R702]	セメントテイコウ
73	0AV2050173070	AD	DJ		C	Cement filled resistor (0.1Ω 5W)(100V series) [R715,716]	セメントテイコウ
	0AV2050173070	AD	DJ		C	Cement filled resistor (0.1Ω 5W)(200V series) [R715]	セメントテイコウ
74	0AV2048203010	AC	DD		B	Fusing resistor (82Ω 1/6W)(100V series) [R717]	ヒューズテイコウ
	0AV2045603010	AB	DJ	N	B	Fusing resistor (56Ω 1/6W)(200V series) [R717]	ヒューズテイコウ
75	0AV2041003010	AC	DD		B	Fusing resistor (10Ω 1/6W) [R725,746,766,789]	ヒューズテイコウ
76	0AV2041013010	AC	DD		B	Fusing resistor (100Ω 1/6W)(100V series) [R759,782,719]	ヒューズテイコウ
	0AV2041013010	AC	DD		B	Fusing resistor (100Ω 1/6W)(200V series) [R759,782,718]	ヒューズテイコウ
77	0AV2011543030	AB	DJ	N	C	Flame proof carbon resistor (150KΩ 1/2W)(100V series) [R701]	フネンカーボンテイコウ
	0AV2013343030	AA	DD		C	Flame proof fixed carbon film resistor (330KΩ 1/2W)(200V series) [R701]	フネンカーボンテイコウ
78	0AV2014773020	AA	DD		C	Flame proof fixed carbon film resistor (4.7Ω 1/4W) [R731,732]	フネン カーボン テイコウ
79	0AV2014723020	AA	DD		C	Flame proof fixed carbon film resistor (4.7KΩ 1/4W) [R749,776]	フネン カーボン テイコウ
80	0AV2012223020	AA	DD		C	Flame proof fixed carbon film resistor (2.2KΩ 1/4W) [R774]	フネン カーボン テイコウ
81	0AV2012213020	AA	DD		C	Flame proof fixed carbon film resistor (220Ω 1/4W) [R738]	フネンカーボン テイコウ
82	0AV2011503020	AA	DD		C	Flame proof fixed carbon film resistor (15Ω 1/4W) [R775]	フネンカーボン テイコウ
83	0AV2011223020	AB	DJ	N	C	Flame proof fixed carbon film resistor (1.2KΩ 1/4W) [R777,778]	フネンカーボン テイコウ
84	0AV2011043020	AA	DD		C	Flame proof fixed carbon film resistor (10KΩ 1/4W) [R711,713,723,724,750,751]	フネンカーボンテイコウ
85	0AV2011013020	AA	DD		C	Flame proof fixed carbon film resistor (100Ω 1/4W) [R773]	フネン カーボンテイコウ
86	0AV2012203020	AA	DD		C	Flame proof carbon resistor (22Ω 1/4W)(100V series) [R712,714]	フネンカーボン テイコウ
	0AV2012703020	AA	DD		C	Flame Proof carbon resistor (27Ω 1/4W)(200V series) [R712,714]	フネンカーボンテイコウ
87	0AV2016833010	AA	DD		C	Flame proof fixed carbon film resistor (68KΩ 1/6W) [R788]	フネンカーボンテイコウ
88	0AV2016823010	AA	DD		C	Flame proof carbon resistor (6.8KΩ 1/6W) [R786]	フネン カーボン テイコウ
89	0AV2011023010	AA	DD		C	Flame proof fixed carbon film resistor (1KΩ 1/6W) [R703,729,760,763,783,787]	フネンカーボンテイコウ
90	0AV2011033010	AA	DD		C	Flame proof fixed carbon film resistor (10KΩ 1/6W) [R719,743,765]	フネンカーボンテイコウ
91	0AV2012233010	AA	DD		C	Flame proof carbon resistor (22KΩ 1/6W) [R744]	フネンカーボンテイコウ
92	0AV2012723010	AA	DD		C	Flame proof carbon resistor (2.7Ω 1/6W) [R722,748,761,784]	フネンカーボンテイコウ
93	0AV2012733010	AA	DD		C	Flame proof fixed carbon film resistor (27KΩ 1/6W) [R764,770,793]	フネンカーボンテイコウ
94	0AV2013333010	AA	DD		C	Flame proof carbon resistor (33KΩ 1/6W) [R747]	フネンカーボンテイコウ
95	0AV2013933010	AA	DD		C	Flame proof fixed carbon film resistor (39KΩ 1/6W) [R757,780]	フネンカーボンテイコウ
96	0AV2018213010	AA	DD		C	Flame proof fixed carbon film resistor (820Ω 1/6W) [R779]	フネンカーボンテイコウ
97	0AV2014723010	AA	DD		C	Flame proof fixed carbon film resistor (4.7KΩ 1/6W) [R769,792,730]	フネン カーボン テイコウ
98	0AV2011233010	AA	DD		C	Flame proof fixed carbon film resistor (12KΩ 1/6W) [R727,771,794]	フネンカーボンテイコウ
99	0AV2011513010	AA	DD		C	Flame proof carbon resistor (150Ω 1/6W) [R752,753]	フネンカーボンテイコウ
100	0AV2011523010	AA	DD		C	Flame proof carbon resistor (1.5KΩ 1/6W) [R756]	フネンカーボンテイコウ

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NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
101	0AV2012223010	AA	DD		C	Flame proof fixed carbon film resistor(2.2KΩ 1/6W)(100V series) [R729,739,740,741,742,745,762,767,768,772,785,790,791]		フネンカーボンテイコウ
	0AV2012223010	AA	DD		C	Flame proof fixed carbon film resistor(2.2KΩ 1/6W)(200V series) [R728,739,740,741,742,745,762,767,768,772,785,790,791]		フネンカーボンテイコウ
102	0AV2021813040	AB	DD		C	Metal oxide film resistor (180Ω 1W)	[R754,755]	サンカキンゾクヒマク テイコウ
103	0AV2022733040	AC	DJ	N	C	Metal oxide film resistor (27KΩ 1W)(100V series)	[R720,721]	サンカキンゾクヒマク テイコウ
	0AV2024733040	AB	DD		C	Metal oxide film resistor (47KΩ 1W)(200V series)	[R720,721]	フネンサンカキンゾクヒマクテイコウ
104	0AV2024703040	AB	DD		C	Metal oxide film resistor (47Ω 1W)	[R704,705]	フネンサンカキンゾクヒマクテイコウ
105	0AV2022733053	AB	DD		C	Fixed metal oxide resistor (27KΩ 2W)(100V series)	[R707,78]	フネンサンキンテイコウ
	0AV2026833053	AB	DD		C	Metal oxide film resistor (68KΩ 2W)(200V series)	[R707,708]	フネンサンキンテイコウ
106	0AV2023303053	AB	DD		C	Metal oxide film resistor (33Ω 2W)	[R733,736]	フネンサンカキンゾクヒマクテイコウ
107	0AV2022203060	AD	DJ	N	C	Metal oxide film resistor (22Ω 3W)	[R734]	フネンサンカキンゾクヒマクテイコウ
108	0AV2022233060	AC	DJ		C	Fixed metal oxide resistor (22KΩ 3W)(100V series)	[R709]	フネンサンキンテイコウ
	0AV2024733060	AC	DJ		C	Fixed metal oxide resistor (47KΩ 3W)(200V series)	[R709]	フネンサンキンテイコウ
109	0AV2023333060	AC	DJ		C	Metal oxide film resistor (33KΩ 3W)(100V series)	[R706]	フネンサンキンテイコウ
	0AV2025633060	AD	DJ	N	C	Fixed metal oxide resistor (56KΩ 3W)(200V series)	[R706]	フネンサンキンテイコウ
110	0AV2024703060	AC	DJ		C	Metal oxide film resistor (47Ω 3W)(100V series)	[R710]	サンカキンゾクヒマク テイコウ
	0AV2026803076	AE	DS	N	C	Fixed metal oxide resistor (68Ω 5W)(200V series)	[R710]	フネンサンキンテイコウ
111	0AV2023303060	AD	DJ	N	C	Metal oxide film resistor (33Ω 3W)	[R737]	サンカキンゾクヒマク テイコウ
112	0AV4000071011	BC	GN	N	B	Transformer (N-T00-710)(100V series)	[T701]	コンバータトランス
	0AV4000071711	BE	GN	N	B	Transformer (N-T00-717)(200V series)	[R701]	コンバータトランス
113	0AV3160020000	AS	EZ	N	B	Triac (BCR16PM-8L-AA)(100V series)	[TR701]	トライアック
	0AV3060021000	AB	DD		B	Triac (BCR10PM-12L-AA)(200V series)	[TR701]	トライアック
114	0AV2081029188	AC	DD		B	Potentiometer (1KΩ)(KVSF637T-1KB)	[VR701,702,703]	カヘンテイコウ
115	0AV5030067000	AH	DX	N	C	Connector (B2P(4-1.3)-VH-B-BK)(100V series)	[CN701]	コネクタ
	0AV5030068000	AH	DX	N	C	Connector (B2P4-VH-B-R)(200V series)	[CN701]	コネクタ
116	0AV5030069000	AH	EB	N	C	Connector (DF1B30DP-2.5BSA)	[CN702]	コネクタ
117	0AV5022000111	AE	DS	N	A	Wire (NZ20001)		センザイ
118	0AV5050002000	AB	DD		C	Fuse holder (H-0017-1)(100V series)		ヒューズ ホルダー
119	0AV5050005000	AA	DD		C	Fuse holder (PFC5000-0203)		ヒューズホルダー
120	0AV5130006000	AB	DJ	N	C	Terminal (M1866-A)		ラグタンシ
121	0AV6114040411	AP	EQ	N	C	Heatsink (LM40404)		ヒートシンク
122	0AV8111230614	AA	DD		Y	Screw (M3×12)		セムスネジ
123	0AV8112230714	AA	DD		Y	Screw (M3×14)		セムス ネジ
124	0AV6111007411	BE	GN	N	C	Chassis (LM10074)		シャーシ
125	0AV7312001311	AK	EB		C	Barrier (LU20013)		ゼツエンバン
126	0AV7314050013	AE	DS	N	C	Barrier (LU40500)		ゼツエンバン
127	0AV7114029311	AP	EQ	N	A	Sarcon sheet (UA40293)(100V series)		サーコンシート
	0AV7114029211	AM	EG	N	A	Sarcon sheet (UA40292)(200V series)		サーコンシート
128	0AV7114029511	AL	EG	N	A	Sarcon sheet (UA40295)(100V series)		サーコンシート
	0AV7114029411	AH	DX	N	A	Sarcon sheet (UA40294)(200V series)		サーコンシート
129	0AV6112051115	AB	DD		C	Fixer (4-886-820-01)		オサエカナグ
130	0AV7012051116	AF	DS		C	Support plate (4-886-830-01)		オサエ イタ
131	0AV6114028911	AD	DJ		C	Fixer (LM40289-11)		コテイカナグ
132	0AV6114022911	AD	DJ		C	Fixer (LM40229-11)		オサエカナグ
133	0AV7200008000	AD	DJ		C	Sarcon tube (UA30T-13R5-30)		サーコンチューブ
134	0AV8140230314	AA	DD		Y	Screw (M3×6)		ソトハツキネジ
135	0AV8120230614	AA	DD		Y	Screw (M3×12)		サラ ネジ
136	0AV7414080712	AD	DJ	N	C	Label (LV40807)(100V series)		ラベル
	0AV7414080812	AD	DJ	N	C	Label (LV40808)(200V series)		ラベル
	ユニット (Unit)							
⚠ 901	CPWBF0977FC31	CD	UD	N	E	DC power supply PWB (100V series)		DCデンゲンキバン 100
⚠	CPWBF0978FC31	CE	UH	N	E	DC power supply PWB (200V series)		DCデンゲンキバン 200

37 BL基板(BL PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION		
1	CPWBF0975FC51	AQ	EQ	N	E	DR mark sensor PWB		DRマークセンサーキバン
2	LHLDZ1093FCZZ	AK	EB		C	BL holder		BLホルダー
3	LHLDZ1108FCZZ	AE	DJ		C	BL holder F		BLホルダーF
4	LHLDZ1140FCZZ	AE	DS	N	C	BL holder R		BLホルダーR
5	QCNCM2401SC0H	AC	DJ	N	Y	Capacitor (8pin)		コネクター
6	VRK-SA1JR152J	AB	DD	N	C	Block resistor	[BR401~413]	ブロックテイコウ
7	VCEAJU1CW476M	AB	DD		C	Capacitor (16WV 47μF)	[C402,404]	コンデンサー
8	VCKYTQ1HB102M	AA	DD	N	C	Capacitor (50WV 1000PF)	[C405~408]	コンデンサー
9	VCKYTQ1HB223M	AA	DD		C	Capacitor (50WV 0.022μF)	[C401,403,409,410]	コンデンサー
10	VHDMA153///-1	AB	DJ		B	Diode (MA153)		ダイオード
11	VHiLC7935//-1	AN	EQ		C	IC (LC7935)	[IC402]	IC
12	VHiSN74LS14NS	AL	EG		C	IC (SN74LS14NS)	[IC401]	IC
13	VHPGL3HD47/-1	AB	DD		A	LED (GL3HD47)	[D401~452]	LED
14	VRS-TP2BD000K	AA	DD		C	Resistor (1/8W 0Ω ±10%)		テイコウ
15	VRS-TP2BD102J	AA	DD		C	Resistor (1/8W 1.0KΩ ±5%)	[R401~404]	テイコウ
16	VRS-TP2BD472J	AA	DD		C	Resistor (1/8W 4.7KΩ ±5%)	[R405~408]	テイコウ
17	XCPSD20P05000	AA	DD		Y	Screw (2×5)		ビス
18	XEPSD30P08000	AA	DD		Y	Screw (3×8)		ビス
	ユニット (Unit)							

37 BL基板(BL PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
901	CPWBF0970FC51	BN	LP	N	E	BL PWB	BLキバン

38 LCDコントロール基板(LCD Control PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	DHAi-2205FCZZ	AE	DS	N	C	LCD interfacs flat cable	LCDチュウケイフラットケーブル
2	QCNCM0846FCZZ	AF	DS	N	Y	Connector	コネクター
3	QCNCW0390FCZZ	AE	DS	N	Y	Connector (16pin)	コネクター
4	QCNCW0445FCZZ	AA	DD		Y	Connector (3pin)	コネクター
5	QCNCW0752FCZZ	AC	DD		Y	Connector (10pin)	コネクター
6	QCNCW0805FCZZ	AF	DS		Y	Connector (20pin)	コネクター
⚠ 7	QFS-B0132QCZZ	AE	DS	N	A	Fuse	ヒューズ
8	QFSHD0002QCZZ	AA	DD		C	Fuse holder	フューズホルダー
9	QSOCZ2051SC32	AC	DJ		C	32P IC socket	32P ICソケット
10	QSOCZ6428ACZZ	AE	DS		C	28P IC socket	28P ICソケット
11	RCRSP0009FCZZ	AE	DS	N	C	Crystal (4.0MHZ)	クリスタル
12	RCRSP6661RCZZ	AD	DJ		C	Crystal (9.83MHZ)	クリスタル
13	RR-TZ1010ACZZ	AE	DS		C	Resistor	テイコウ
14	RR-TZ8472ACZZ	AD	DJ		C	Resistor (0.063W)	テイコウ
15	RVR-M2530QCZZ	AD	DJ		B	Variable resistor (8KΩ)	ボリウム
16	VCCCTV1HH221J	AA	DD		C	Capacitor (50WV 220PF)	コンデンサー
17	VCEAGU1AW476M	AA	DD		C	Capacitor (10WV 47μF)	コンデンサー
18	VCEAGU1AW477M	AC	DD		C	Capacitor (10WV 470μF)	コンデンサー
19	VCEAGU1CW476M	AB	DD		C	Capacitor (16WV 47μF)	コンデンサー
20	VCEAGU1CW477M	AC	DD		C	Capacitor (16WV 470μF)	コンデンサー
21	VCEAGU1EW107M	AB	DD		C	Capacitor (25WV 100μF)	コンデンサー
22	VCEAGU1VW477M	AD	DJ		C	Capacitor (35WV 470μF)	コンデンサー
23	VCKYTV1HB102K	AA	DD		C	Capacitor (50WV 1000PF)	コンデンサー
24	VCKYTV1HB222K	AA	DD		C	Capacitor (50WV 2200PF)	コンデンサー
25	VCKYTV1HB223K	AA	DD		C	Capacitor (50WV 0.022μF)	コンデンサー
26	VCKYTV1HB681K	AA	DD		C	Capacitor (50WV 680PF)	コンデンサー
27	VCQYNU1HM103K	AA	DD		C	Capacitor (50WV 0.01μF)	コンデンサー
28	VHDRLS73///-1	AA	DD		C	Diode (RLS73)	ダイオード
29	VHiHD64646F-1	AV	FX		C	IC (HD64646F)	IC
30	VHiLM339NS/-1	AC	DD		C	IC (LM339NS)	IC
31	VHiNJM78L05A-	AF	DX	N	C	IC (NJM78L05A)	IC
32	VHiSN74HC244S	AF	DS		C	IC (SN74HC244S)	IC
33	VHiSN74LS02NS	AF	DS		C	IC (SN74LS02NS)	IC
34	VHiSN74LS04NS	AF	DS		C	IC (SN74LS04NS)	IC
35	VHiSN74LS08NS	AF	DS		C	IC (SN74LS08NS)	IC
36	VHiSN74LS139N	AL	EG		C	IC (SN74LS139N)	IC
37	VHiSN74LS244N	AS	FG		C	IC (SN74LS244N)	IC
38	VHiSN74LS273N	AQ	EZ		C	IC (SN74LS273N)	IC
39	VHiSN74LS32NS	AF	DS		C	IC (SN74LS32NS)	IC
40	VHiSN74LS373N	AL	EG		C	IC (SN74LS373N)	IC
41	VHiSN74LS74NS	AD	DJ		C	IC (SN74LS74NS)	IC
42	VHiTC531000CF	BA	GD	N	C	IC (TC531000CF)	IC
43	VHiTC5565AF15	AS	FG		C	IC (TC5565AF15)	IC
44	VHiTD62504F-1	AF	DS		C	IC (TD62504F)	IC
45	VHiUPA2003GR/	AF	DS		C	IC (UPA2003GR)	IC
46	VHiUPC337//-1	AN	EQ	N	C	IC (UPC337)	IC
47	VHiUPD78213-1	AZ	FX	N	C	IC (UPD78213)	IC
48	VHi27C01003FC	BA	GD	N	B	IC (27C01003FC)	IC
49	VHi27512A01FC	AY	FX	N	B	IC (27512A01FC)	IC
50	VHi27512A02FC	AY	FX	N	B	IC (27512A02FC)(Japanese)	IC(ニホンゴ)
	VHi27512A03FC	AY	FX	N	B	IC (27512A03FC)(English)	IC(エイゴ)
	VHi27512A04FC	AY	FX	N	B	IC (27512A04FC)(German)	IC(ドイツゴ)
	VHi27512A05FC	AY	FX	N	B	IC (27512A05FC)(Spanish)	IC(スペインゴ)
	VHi27512A06FC	AY	FX	N	B	IC (27512A06FC)(French)	IC(フランスゴ)
51	VRS-TS2AD102J	AA	DD		C	Resistor (1/10W 1KΩ ±5%)	テイコウ
52	VRS-TS2AD103J	AA	DD		C	Resistor (1/10W 10KΩ ±5%)	テイコウ
53	VRS-TS2AD122J	AA	DD		C	Resistor (1/10W 1.2KΩ ±5%)	テイコウ
54	VRS-TS2AD151J	AA	DD		C	Resistor (1/10W 150Ω ±5%)	テイコウ
55	VRS-TS2AD472J	AA	DD		C	Resistor (1/10W 4.7KΩ ±5%)	テイコウ
56	VRS-TS2AD624J	AA	DD		C	Resistor (1/10W 620KΩ ±5%)	テイコウ
57	VRS-TS2AD752J	AA	DD		C	Resistor (1/10W 7.5KΩ ±5%)	テイコウ
58	VSDTC114YK/-1	AC	DD		C	Transistor (DTC114YK)	トランジスター
59	VSDTC114YS/-1	AB	DD		C	Transistor (DTC114YS)	トランジスター
60	VS2SB1295-/-1	AB	DD		C	Transistor (2SB1295)	トランジスター
61	VSDTA144GK/-1	AB	DJ	N	C	Transistor (DTA144GK)	トランジスター
62	VS2SD1292-/-1	AD	DS	N	C	Transistor (2SD1292)	トランジスター
	ユニット (Unit)						
901	CPWBN0974FC51	CB	TZ	N	E	LCD Control PWB(Japanese)	LCDコントロールキバン J(ニホンゴ)
	CPWBN0974FC52	CB	TZ	N	E	LCD Control PWB(English)	LCDコントロールキバン U(エイゴ)
	CPWBN0974FC53	CB	TZ	N	E	LCD Control PWB(Germany)	LCDコントロールキバン G(ドイツゴ)

38 LCDコントロール基板(LCD Control PWB)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
901	CPWBN0974FC54	CB	TZ	N	E	LCD Control PWB(Spanish)	LCDコントロールキバン S (スペインゴ)
	CPWBN0974FC55	CB	TZ	N	E	LCD Control PWB(French)	LCDコントロールキバン F (フランスゴ)

39 梱包材 & 付属品(Packing material & Accessories)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
1	CCASZ0067FC02	AM	EG		C	Maintenance case (Japan only)	メンテナンスケース
	CCASZ0067FC01	AD	DJ		C	Maintenance case (Export)	メンテナンスケース
2	CPAKA4691FC02	AZ	FX	N	Y	Bottom case	ソコケース
3	CSOU-0103FC01	AW	FQ		C	Delivery tray (Japan only)	ハイシトレイ
	LSOU-0090FCZZ	AT	FG		C	Delivery tray (Export)	ハイシトレイ
4	CYOK-0039FC01	AQ	EQ		S	Waste toner bottle	ハイトナーボトル
5	GCOVZ0196FCZZ	AV	FQ		B	Dust cover(Japan,Bahrain,Kuwait,Saudi Arabia,Oman,Katar, North Yemen,Egypt,Jordan,Syria,U.A.E.Tunisia,Morocco)	ダストカバー
6	LDAiU0325FCOZ	AN	EQ		C	Original table (USA,CANADA,Australia,SEEG,U,Kingdom)	ゲンコウオキダイ
7	LX-BZ0426FCZZ	AA	DD		B	Screw (M4)(Blue)	ビス
8	LX-BZ0649FCZZ	AB	DD		B	Screw	ビス
9	LX-BZ0650FCZZ	AB	DD		B	Screw	ビス
10	LX-BZ0651FCZZ	AB	DD		B	Screw	ビス
11	PCOVP1151FCZZ	AK	EB		C	Module cover (Export··Except Taiwan)	モジュラーカバー
12	PSHEZ3153FCZZ	AD	DJ		B	Sheet,Accessories	フゾクヒンシート
13	PSHEZ3226FCZZ	AE	DS		B	Operation protect sheet	ソウササブホゴシート
14	PPiP-0172FCZZ	AL	EG	N	Y	Pipe A (USA,CANADA,Australia,SEEG,U,Kingdom)	シチュウ A
	PPiP-0173FCZZ	AM	EG	N	Y	Pipe B (Other countries)	シチュウ B
15	SPAKA4693FCZZ	AE	DS		Y	OC protect packing cushion (Except USA,CANADA, Australia,SEEG,U,Kingdom)	OCホゴザイ
16	SPAKA4897FCZZ	AV	FG	N	Y	Top packing cushion A L (USA,CANADA,Australia,SEEG,U,Kingdom)	テンパットA L
	SPAKA4898FCZZ	AV	FG	N	Y	Top packing cushion B L (Other countrirs)	テンパットB L
17	SPAKA4835FCZZ	AV	FG	N	Y	Top packing cushion A R (USA,CANADA,Australia,SEEG,U,Kingdom)	テンパットA R
	SPAKA4836FCZZ	AV	FG	N	Y	Top packing cushion B R (Other countries)	テンパットB R
18	SPAKA4711FCZZ	AG	DS		Y	Spacer,Accessories	フゾクスペーサーJ
19	SPAKC4832FCZZ	BB	GD	N	Y	Packing case (Japan only) (SF-2035)	パッキングケース
	SPAKC4832FC11	BB	GD	N	Y	Packing case (Japan only) (SF-2035H)	パッキングケース
	SPAKC4834FCZZ	BA	GD	N	Y	Packing case (Germany only)	パッキングケース
	SPAKC4834FC11	BA	GD	N	Y	Packing case (SEEG(Except Germany))	パッキングケース
	SPAKC4833FCZZ	BA	GD	N	Y	Packing case (USA,CANADA,Australia,U,K ingdom)	パッキングケース
	SPAKC4832FC13	BB	GD	N	Y	Packing case (Indonesia only)	パッキングケース
	SPAKC4832FC12	BB	GD	N	Y	Packing case (other countries)	パッキングケース
20	SSAKA3441QCZZ	AB	DD		Y	Vinyl bag for Accessories (320×470mm)(SEEG only)	フゾクヒンヨウポリブクロ
	SSAKA2440QCZZ	AB	DD		Y	Vinyl bag for Accessories (280×410mm)(Other countries)	フゾクヒンヨウポリブクロ
21	TCADZ0923FCZZ	AA	DD		C	4th,5th mirror screw caution card F	4,5ミラーコテイビスチュウイカードF
22	TCADZ0924FCZZ	AA	DD		C	4th,5th mirror screw caution card R	4,5ミラーコテイビスチュウイカードR
23	TCADS0497FCZZ	AH	DX		C	Card (Japan only)	ノウニュウセッチホウコクショ
	TCADS0649FCZZ	AM	EG		C	Card (SEEG only)	ノウニュウセッチホウコクショ
	TCADS0764FCZZ	AE	DJ		C	Card (U,Kingdom only)	ワランティーレジストカード
24	TCADZ0775FCZZ	AC	DD		C	Card (Japan only)	サービスケイヤクショ
25	TCADZ1053FCZZ	AG	DX	N	C	Installation manual card (Japan only)	セッチテジュンショJ
	TCADZ2001QCZZ	AE	DJ		C	Installation manual card (Australia only)	セッチテジュンショJ
26	TLABH2646FCZZ	AB	DD		C	Label	ビスカイコンラベル
27	TLABH2967FCZ1	AC	DD		C	Label (Japan only)	カイコンセツメイラベルN
	TLABH3371FCZZ	AD	DJ	N	C	4/5 mirror fixing label (Export)	4/5ミラーコテイカイコンラベル
28	TLABZ0248FCZZ	AB	DD		C	Screw caution label (Japan only)	コテイネジレリーズラベル
	TLABZ0241FCZZ	AB	DD		C	Screw caution label (Export)	コテイネジレリースE
29	TLABH3229FCZZ	AE	DS		C	Magnification rafio select label (Japan only)	バイリツセンタクラベル
30	TiNSJ1052FCZZ	BB	GD	N	C	Operation manual (Japanese)	トリアツカイセツメイショ(ワブン)
	TiNSE1053FCZZ	AS	EZ	N	C	Operation manual (USA)	トリアツカイセツメイショ
	TiNSE1060FCZZ	AS	EZ	N	C	Operation manual (U,Kingdom)	トリアツカイセツメイショ
	TiNSE1054FCZZ	AX	FQ	N	C	Operation manual (English)	トリアツカイセツメイショ(エイゴ)
	TiNSF1056FCZZ	AZ	FX	N	C	Operation manual (French)	トリアツカイセツメイショ (フランスゴ)
	TiNSG1055FCZZ	AZ	FX	N	C	Operation manual (German)	トリアツカイセツメイショ(ドイツゴ)
	TiNSS1057FCZZ	AZ	FX	N	C	Operation manual (Spanish)	トリアツカイセツメイショ (スペインゴ)
	TiNSZ1059FCZZ	AZ	FX	N	C	Operation manual (Arabic)	トリアツカイセツメイショ (アラビアゴ)
	TiNSE1061FCZZ	AX	FQ	N	C	Operation manual (Indonesian)	トリアツカイセツメイショ (インドネシアゴ)
31	XEBSD40P12000	AA	DD		Y	Screw (4×12)	ビス
32	LX-BZ0578FCZZ	AC	DD		B	Lens fixing screw	レンズコテイビス
33	LX-WZ0326FCZZ	AA	DD		B	Washer for MB cushion	MBクッションワッシャ
34	PSHEZ3258FCZZ	AC	DJ		B	Accessories protect sheet	フゾクヒンホゴシート
35	SPAKA1624FCZZ	AB	DD		Y	ACC sleeve	ACCスリーブ
36	PSHEZ1394FCZZ	AC	DD		B	Vinyl sheet (Japan only)	ポリシート
37	UKOGZ0002FCZZ	AD	DJ		E	Vinyl gloves (Japan only)	ポリテブクロ

39 梱包材 & 付属品(Packing material & Accessories)

NO.	PARTS CODE	PRICE RANK Ex	PRICE RANK Ja	NEW MARK	PART RANK	DESCRIPTION	
39	TCADZ1054FCZZ	AD	DS	N	C	MSDS card (USA,CANADA,U,Kingdom)	MSDSカード
40	TINSE1103FCZZ	AK	EB	N	C	Operation manual(Key operator guide) (USA)	トリアツカイセツメイショ (キーオペレーターガイド)
41	SPAKA4904FCZZ	AD	DJ	N	Y	Multi tray protect packing cushion (Export)	マルチトレイホゴザイ